

SAFETY DATA SHEET 25103

IKO Innovi TPO Membrane.

SECTION 1 – SUBSTANCE IDENTITY AND COMPANY CONTACT INFORMATION

| | |
|-----------------------|--|
| PRODUCT NAMES | IKO Innovi TPO Membrane, InnoviFlash TPO (RPS), InnoviFlash TPO, InnoviBoot TPO, InnoviFlash TPO, InnoviStep TPO |
| TRADE NAME | TPO |
| PRODUCT NUMBERS | 600xxxx, 601xxxx, 6200xxx, 6226xxx, 6203xxx, 6208060 |
| CHEMICAL FAMILY | Thermoplastic Polyolefin |
| FORMULA | N/A |
| PRODUCT USE | Roofing Material |
| MANUFACTURER/SUPPLIER | IKO Industries Ltd. 160 IKO Way Hagerstown, MD 21740 United States |
| WEBSITE | www.iko.com |
| EMERGENCY NUMBER | IKO: +1 (256) 401-8000 ext. 3422 |

SECTION 2 – HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE
Material poses no health hazard under normal conditions of use.

| | |
|--------------------------|--------------------------|
| SIGNAL WORD | None required |
| SYMBOL(S) | None required |
| CLASSIFICATION | None required |
| HAZARD STATEMENTS | None required |
| PRECAUTIONARY STATEMENTS | None required |
| NFPA | No information available |
| WHMIS | No information available |

SECTION 3 – CHEMICAL COMPOSITION AND DATA ON COMPONENTS

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| CHEMICAL NAME | % (w/w) | CAS NUMBER |
|-------------------------|---------|------------|
| Nonhazardous Components | 100 | n/a |

SECTION 4 – FIRST AID

| | |
|----------------------------|---|
| INHALATION | First aid is not expected to be required if product is used under normal conditions. If signs/symptoms develop, move person to an area with fresh air. Seek medical attention if symptoms persist. |
| INGESTION | First aid is not expected to be required if product is used under normal conditions. Seek medical attention if signs/symptoms develop. |
| SKIN CONTACT | First aid is not expected to be required if product is used under normal conditions. Wash hands with soap and water after handling. Seek medical attention if signs/symptoms develop. |
| EYE CONTACT | First aid is not expected to be required if product is used under normal conditions. Flush eyes with water if contact with material occurs. Seek medical attention if signs/symptoms develop. |
| ACUTE AND CHRONIC SYMPTOMS | Refer to Section 11, Toxicological Information, for additional information. |
| MEDICAL ATTENTION | Treatment should be based on signs and symptoms observed in the patient. The possibility that overexposure to materials other than this product occurred should be considered due to the nonhazardous nature of this product. |

SECTION 5 – FIRE-FIGHTING MEASURES

| | |
|-------------------------|--|
| EXTINGUISHING MEDIA | Water spray, foam, dry chemical, or carbon dioxide. |
| FIRE FIGHTING | Upon reaching temperatures of combustion, produces corrosive and/or toxic fumes. |
| FLAMMABILITY | Not flammable |
| PROPERTIES: | |
| FLASH POINT | Not applicable |
| FLAMMABLE LIMITS IN AIR | Not applicable |

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AUTO IGNITION
SPECIFIC FOR
TEMPERATURE
FIRE-FIGHTERS

Not applicable. Recommended that firefighters wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Conventional firefighters' protective clothing provides limited protection.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS,
PROTECTIVE MEASURES AND
EMERGENCY PROCEDURES

No special/emergency precautions expected to be required if product is used under ordinary conditions.

ENVIRONMENTAL
PRECAUTIONS

No special precautions required.

SPILL MANAGEMENT

Normal housekeeping measures. Pick up large pieces and dispose of in accordance with Local, State, Federal and Provincial regulations.

SECTION 7 - HANDLING AND STORAGE

HANDLING PROCEDURE

When handling the product, use the appropriate safety and industrial hygiene practices.

STORAGE PRECAUTIONS

Store in a cool, dry, well-ventilated place.

OTHER PRECAUTIONS

Not applicable

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

No exposure limits/guidelines available for the product or the components.

ENGINEERING MEASURES

Special ventilation is not required under normal conditions.

PERSONAL PROTECTIVE
EQUIPMENT:

RESPIRATORY
PROTECTION

Not required under normal conditions of use.

SKIN AND BODY
PROTECTION

Not required under normal conditions of use.

EYE PROTECTION

Not required under normal conditions of use.

HYGIENE MEASURES

Wash hands with soap after handling.

OTHER CONTROLS

Follow best practices for site management and waste disposal.

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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|-----------------------------------|
| APPEARANCE (PHYSICAL STATE, COLOR etc.) | Solid. Various color sheets/chips |
| ODOR | Odorless |
| ODOR THRESHOLD | None |
| PH | No information available |
| MELTING POINT/FREEZING POINT | No information available |
| INITIAL BOILING POINT AND BOILING RANGE | Not applicable |
| FLASH POINT | Not applicable |
| EVAPORATION RATE | Not applicable |
| FLAMMABILITY | Not flammable |
| UPPER/LOWER FLAMMABILITY/EXPLOSIVE LIMITS | Not applicable |
| VAPOR PRESSURE | Not applicable |
| VAPOR DENSITY | No information available |
| MOLECULAR WEIGHT | No information available |
| SOLUBILITY(IES) | Insoluble |
| PARTITION COEFFICIENT: N-OCTANOL/WATER | No information available |
| AUTO-IGNITION TEMPERATURE | No information available |
| SPECIFIC GRAVITY | No information available |
| VISCOSITY | No information available |

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY:

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| | |
|---------------------------------------|---|
| CHEMICAL STABILITY | Stable under normal temperatures/pressures |
| POSSIBILITY OF HAZARDOUS REACTIONS | Hazardous polymerization will not occur. |
| CONDITIONS TO AVOID | No information available |
| INCOMPATIBLE MATERIALS | No information available |
| HAZARDOUS DECOMPOSITION PRODUCTS | Thermal decomposition could produce CO, CO ₂ , Oxides of Nitrogen. |

SECTION 11 – TOXICOLOGICAL INFORMATION

| | |
|---|--|
| ACUTE/CHRONIC TOXICITY | Not applicable. |
| MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE | No information available. |
| PRIMARY ROUTE OF EXPOSURE | Not applicable. |
| HEALTH EFFECTS: | |
| EYES | No health effects are expected under normal conditions of use. |
| SKIN | No health effects are expected under normal conditions of use. |
| INHALATION | No health effects are expected under normal conditions of use. |
| INGESTION | No health effects are expected under normal conditions of use. |
| STOT (SPECIFIC TARGET ORGAN TOXICITY)- SINGLE EXPOSURE | Not applicable. |
| STOT (SPECIFIC TARGET ORGAN TOXICITY) – REPEATED EXPOSURE | Not applicable. |
| CARCINOGENICITY | Not applicable. |
| REPRODUCTIVE TOXICITY: | |
| DEVELOPMENT OF OFFSPRING | Not applicable. |
| SEXUAL FUNCTION AND FERTILITY | Not applicable. |
| GERM CELL MUTAGENICITY | Not applicable. |

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SECTION 12 – ECOLOGICAL INFORMATION

| | |
|--------------------------------|---------------------------|
| ECOTOXICITY | No information available. |
| PERSISTENCE & DEGRADABILITY | No information available. |
| BIODEGRADATION MOBILITY | No information available. |
| BIOACCUMULATION POTENTIAL | No information available. |

SECTION 13 – DISPOSAL CONSIDERATIONS

| | |
|-----------------------------|---|
| DISPOSAL RECOMMENDATIONS | Follow federal, provincial/state and municipal regulations. |
|-----------------------------|---|

SECTION 14 – TRANSPORT INFORMATION

No information available.

SECTION 15 - REGULATIONS

No information available.

SECTION 16 – OTHER INFORMATION

| | |
|-------------------------------|---|
| REVISION DATE OF SDS | September 21, 2021 |
| REPLACES THE MSDS/SDS FROM | March 16, 2021 |
| PREPARED BY | Research Department |
| GENERAL INFORMATION | 1-888-766-2468 |
| WEBSITE | www.iko.com |
| OTHER INFO/DISCLAMERS | <p>Read this Safety Data Sheet before handling or disposing of this material.</p> <p>This material safety information is provided to help users with health, safety and/or environmental matters. We have taken reasonable effort to ensure that the test methods and sources for this data are</p> |

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correct and reliable, however, we give no warranty, expressed or implied, regarding its correctness. Since conditions or methods of handling and using this product are beyond our control, we do not assume responsibility and expressly disclaim liability for damages resulting from or connected with the handling, storage, use or disposal of the material.



SAFETY DATA SHEET 2548

IKO MILLENNIUM ADHESIVE

SECTION 1 – SUBSTANCE IDENTITY AND COMPANY CONTACT INFORMATION

| | |
|-----------------------|---|
| PRODUCT NAME | IKO Millennium Adhesive 1.5 L Cartridge Set Part 1 of 2 |
| TRADE NAME | Foamable Adhesive |
| PRODUCT NUMBER | 1AD0001 |
| CHEMICAL FAMILY | Mixture |
| PRODUCT USE | Adhesive |
| MANUFACTURER/SUPPLIER | IKO Industries Ltd. 160 IKO Way Hagerstown, MD 21740 United States |
| WEBSITE | www.iko.com |
| EMERGENCY NUMBER | CANUTEC: 1-613-996-6666 (24 hours information only) |

SECTION 2 – HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

SIGNAL WORD DANGER

SYMBOL(S)



CLASSIFICATION

Acute Toxicity – Category 4
Eye Irritation – Category 2A
Respiratory Sensitivity – Category 1
Skin Irritation – Category 2
Skin Sensitization – Category 1
Specific Target Organ Toxicity (repeated exposure) – Category 2
Specific Target Organ Toxicity (single exposure) – Category 3

HAZARD STATEMENTS

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure.

PRECAUTIONARY
STATEMENTS

P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P264 Wash thoroughly after handling.



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IKO MILLENNIUM ADHESIVE

P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves / eye protection / face protection.
P285 [In case of inadequate ventilation] wear respiratory protection.
P302 IF ON SKIN: Wash with plenty of water.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER/doctor if you feel unwell.
P314 Get medical advice/attention if you feel unwell.
P320 Specific treatment (see on this label).
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P342 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
P362 Take off contaminated clothing and wash it before reuse.
P363 Wash contaminated clothing before reuse.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

NFPA

Health:1
Flammability:1
Instability:0

HMIS

Health:1
Flammability:1
Physical Hazards:0

SECTION 3 – CHEMICAL COMPOSITION AND DATA ON COMPONENTS

| HAZARDOUS CHEMICAL NAME | % (w/w) | CAS NUMBER |
|--|---------|------------|
| Diphenylmethane diisocyanate, isomers and homologues | 25-50 | 9016-87-9 |
| 4,4'-methylene diphenyl diisocyanate | 25-50 | 101-68-8 |
| Methylene diphenyl diisocyanate | 2.5-10 | 26447-40-5 |

SECTION 4 – FIRST AID

INHALATION

For overexposure, remove to fresh air and seek medical attention.
In case of unconsciousness place patient stably in side position for transportation. Call a doctor immediately.



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IKO MILLENNIUM ADHESIVE

| | |
|----------------------------|---|
| INGESTION | Rinse out mouth with water. Drink 1 - 2 glasses of water but DO NOT induce vomiting. Do not give liquids to a drowsy, convulsing or unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Seek medical treatment. |
| SKIN CONTACT | If skin becomes irritated seek medical attention. Immediately wash with water and soap and rinse thoroughly. |
| EYE CONTACT | Rinse opened eye for 20 minutes under running water. Call a Doctor immediately. |
| ACUTE AND CHRONIC SYMPTOMS | No further relevant information available. |
| MEDICAL ATTENTION | Symptoms of poisoning may even occur after several hours; therefore-medical observation for at least 48 hours after the accident. |

SECTION 5 – FIRE-FIGHTING MEASURES

| | |
|-------------------------------|---|
| EXTINGUISHING MEDIA | Carbon dioxide, sand, extinguishing powder. Do NOT use water. |
| FIRE FIGHTING | Use firefighting measures that suit the environment. Product reacts with water. Reaction may produce heat and/or gases. Product is not explosive. However, formation of explosive air/vapor mixtures is possible. |
| FLAMMABILITY | Not applicable. |
| PROPERTIES: | |
| FLASH POINT | 176°C (349°F) |
| FLAMMABLE LIMITS IN AIR | Lower Flammability Limit (% vol): 0.9 Upper Flammability Limit (% vol): 6.7 |
| AUTO IGNITION TEMPERATURE | No information available. |
| SPECIAL PPE FOR FIRE-FIGHTERS | Protective clothing and respiratory protective device. |

SECTION 6 – ACCIDENTAL RELEASE MEASURES

| | |
|--|--|
| PERSONAL PRECAUTIONS, PROTECTIVE MEASURES AND EMERGENCY PROCEDURES | Keep away from ignition sources. Use personal protective equipment described in section 8, Exposure Control and Personal Protection. |
| ENVIRONMENTAL PRECAUTIONS | No special measures required. |



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IKO MILLENNIUM ADHESIVE

SPILL MANAGEMENT

Cover spilled material with neutralization solution (see below) and mix. Wait 15 minutes. Collect material in open head metal containers. Repeat neutralization and cleaning process until surface is decontaminated. Apply drum lid but DO NOT secure. Allow containers to vent for 72 hours to let carbon dioxide escape. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste in accordance with federal state and local regulations. Ensure adequate ventilation.

Neutralization solutions:

1. A mixture of 90% water, 3-8% ammonium hydroxide or concentrated ammonia, and 2% liquid detergent.

2. A mixture of 80% water, 20% non-ionic surfactant.

Apply solution. Wait 15 minutes. Collect in open-head container. Re-apply until surface is decontaminated. Apply drum lid but DO NOT secure. Let containers vent for 72 hours allowing carbon dioxide to escape. Secure drum lid.

SECTION 7 - HANDLING AND STORAGE

HANDLING PROCEDURE

Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Wash thoroughly after handling. Prevent formation of aerosols. Use personal protective equipment described in section 8, Exposure Control and Personal Protection.

STORAGE PRECAUTIONS

Keep containers tightly closed when not in use. Protect from atmospheric moisture. Keep away from open flames and high temperatures. Storage Temperature: 32°F-90°F. Keep receptacle tightly sealed.

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

| | OCCUPATIONAL EXPOSURE LIMITS | | | | |
|--|------------------------------|---------------------------------------|---------------------------------------|--------------------------------|---|
| CHEMICAL NAME | ALBERTA | ONTARIO | BRITISH COLUMBIA | OSHA | ACGIH |
| Diphenylmethane diisocyanate, isomers and homologues | No information available. | | | | |
| 4,4'-methylene diphenyl diisocyanate | TWA : 0.005 ppm | TWA : 0.005 ppm Ceiling : 0.02 ppm | TWA : 0.005 ppm Ceiling : 0.01 ppm | Ceiling: 0.2 mg/m ³ | TWA : 0.05 mg/m ³ Ceiling : 0.2 mg/m ³ |
| Methylene diphenyl diisocyanate | No information available. | | | | |

MDI products have poor warning properties, since recognition of an odor is far above the TLV. Observe local/government regulations for respirator use.

ENGINEERING MEASURES

Ensure adequate ventilation.



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IKO MILLENNIUM ADHESIVE

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION Use approved respiratory protection equipment when airborne exposure is excessive. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacturer.

SKIN AND BODY PROTECTION Apron. Protective work clothing

Protective gloves: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves: Chloroprene rubber (CR), Nitrile rubber (NBR), Butyl rubber (BR). The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

EYE PROTECTION Face Shield. Safety glasses with side shields. Tightly sealed goggles.

HYGIENE MEASURES Keep away from food, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

OTHER CONTROLS No information available.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|-------------------------------|
| APPEARANCE (PHYSICAL STATE, COLOR etc.) | Off white- light amber liquid |
| ODOR | Faint Aromatic |
| ODOR THRESHOLD | No information available. |
| PH | No information available. |
| MELTING POINT/FREEZING POINT | No information available. |



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IKO MILLENNIUM ADHESIVE

| | |
|---|---|
| INITIAL BOILING POINT AND BOILING RANGE | No information available. |
| FLASH POINT | 176°C (349°F) |
| EVAPORATION RATE | No information available. |
| FLAMMABILITY | No information available. |
| UPPER/LOWER FLAMMABILITY/EXPLOSIVE LIMITS | Lower Flammability Limit (% vol): 0.9 Upper Flammability Limit (% vol): 6.7 Product does not present an explosion hazard. |
| VAPOR PRESSURE | 0 mm Hg |
| VAPOR DENSITY | No information available. |
| RELATIVE DENSITY | No information available. |
| MOLECULAR WEIGHT | No information available. |
| SOLUBILITY(IES) | Not miscible or difficult to mix. |
| PARTITION COEFFICIENT: N-OCTANOL/WATER | No information available. |
| AUTO-IGNITION TEMPERATURE | No information available. |
| SPECIFIC GRAVITY | 1.12 g/cm ³ (9.346 lbs/gal) 20°C (68°F): |
| VISCOSITY | No information available. |

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY:

CHEMICAL STABILITY Normally stable

POSSIBILITY OF HAZARDOUS REACTIONS May produce violent reactions with bases and numerous organic substances including alcohols and amines. MDI reacts slowly with water to form Carbon Dioxide gas. This gas can cause sealed containers to expand and possibly rupture. Contact with moisture, other materials that react with isocyanates, or temperatures above 350°F, may cause polymerization.

CONDITIONS TO AVOID Exposure to high temperatures. Moisture.

INCOMPATIBLE MATERIALS Reacts with amines, caustic alkali solutions, alcohols, ammonia, oxidizers, acids, polyols. Reacts with water forming carbon dioxide-may rupture sealed containers if contaminated with water.



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IKO MILLENNIUM ADHESIVE

HAZARDOUS DECOMPOSITION PRODUCTS Carbon dioxide, carbon monoxide, oxides of nitrogen, dense black smoke, hydrogen cyanide, isocyanic acid, other undetermined compounds. Contact with moisture, other materials that react with isocyanates, or temperatures above 350°F (177°C), may cause polymerization.

SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE/CHRONIC TOXICITY

| LD/LC50 VALUES THAT ARE RELEVANT FOR CLASSIFICATION | | |
|---|------|--------------------|
| 101-68-8 4,4'-methylene diphenyl diisocyanate | | |
| Oral | LD50 | 2200 mg/kg (mouse) |

Repeated or prolonged exposure to MDI may result in isocyanate sensitization (chemical asthma) in some individuals, causing them to react to isocyanate exposure at concentrations below the established exposure limits. Symptoms include chest tightness, wheezing, coughing, and shortness of breath. Effects can be delayed. Overexposure can cause lung damage, including decreased lung function. Prolonged or repeated skin contact may cause irritation leading to dermatitis. Skin sensitization may also occur. Lung injury has been observed in laboratory animals after repeated excessive exposure to MDI/polymeric MDI aerosol droplets. Lung tumors have been observed in laboratory animals exposed to aerosol droplets of MDI/polymeric MDI (6 mg/m) for their lifetime. Tumors occurred concurrently with respiratory irritation and lung injury. Current exposure guidelines are expected to protect against these effects.

This product is harmful by inhalation, when in contact with the skin and if it is swallowed. This product may cause sensitization by inhalation and skin contact. Repeated inhalation of vapors may cause an allergic respiratory response, the onset of which may be delayed several hours after exposure. This product is irritating to the eyes. Symptoms include itching, burning, redness and tearing. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

No information available.

PRIMARY ROUTE OF EXPOSURE

Skin Contact.

HEALTH EFFECTS:

EYES Irritating effect. Symptoms include itching, burning, redness and tearing.

SKIN Skin irritant. Irritant to skin and mucous membranes. Sensitization possible through skin contact.



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INHALATION Sensitization possible through inhalation. Allergic lung reaction such as asthma, which includes coughing, wheezing, chest pain and tightness, difficulty breathing and shortness of breath; irritation of the upper respiratory tract, which includes burning of mouth, throat, and chest.

INGESTION Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

STOT (SPECIFIC TARGET ORGAN TOXICITY)- SINGLE EXPOSURE No information available.

STOT (SPECIFIC TARGET ORGAN TOXICITY) – REPEATED EXPOSURE No information available.

CARCINOGENICITY

| IARC (INTERNATIONAL AGENCY FOR RESEARCH ON CANCER) | | |
|--|--|---------|
| 9016-87-9 | Diphenylmethane diisocyanate, isomers and homologues | Class 3 |
| 101-68-8 | 4,4'-methylene diphenyl diisocyanate | Class 3 |

| NTP (NATIONAL TOXICOLOGY PROGRAM) |
|-------------------------------------|
| None of the ingredients are listed. |

| OSHA-Ca (OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION) |
|---|
| None of the ingredients are listed. |

REPRODUCTIVE TOXICITY:

DEVELOPMENT OF OFFSPRING No information available.

SEXUAL FUNCTION AND FERTILITY No information available.

GERM CELL MUTAGENICITY No information available.

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY No information available.

PERSISTENCE & DEGRADABILITY No information available.

BIODEGRADATION MOBILITY No information available.



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IKO MILLENNIUM ADHESIVE

BIOACCUMULATION
POTENTIAL

No information available.

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL
RECOMMENDATIONS

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Must be specially treated adhering to official regulations. Disposal must be made according to official regulations.

SECTION 14 – TRANSPORT INFORMATION

UN-NUMBER:

| | |
|-----------------|---------------|
| DOT | Not regulated |
| ADN, IMDG, LATA | Not regulated |

UN PROPER SHIPPING
NAME:

| | |
|-----------------|---------------|
| DOT | Not regulated |
| ADN, IMDG, LATA | Not regulated |

TRANSPORT HAZARD
CLASS(ES):

| | |
|-----------------------|---------------|
| DOT | Not regulated |
| ADN, IMDG, LATA CLASS | Not regulated |

PACKING GROUP:

| | |
|------------|---------------|
| DOT | Not regulated |
| IMDG, LATA | Not regulated |

ENVIRONMENTAL HAZARD Not applicable

SPECIAL PRECAUTIONS
FOR USERS Not applicable

TRANSPORT IN BULK
ACCORDING TO ANNEX II
OF MARPOL 73/78 AND THE
IBC CODE Not applicable

TRANSPORT/ADDITIONAL
INFORMATION MDI (CAS 101-68-8) exhibits a CERCLA RQ equal to 5,000 pounds. Quantities less than the RQ amount are not regulated in transportation.

UN "MODEL REGULATION" Not regulated



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IKO MILLENNIUM ADHESIVE

SECTION 15 - REGULATIONS

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

SARA

SECTION 355 (EXTREMELY HAZAROUS SUBSTANCES)

None of the ingredients are listed

Section 313 (SPECIFIC TOXIC CHEMICAL LISTINGS)

| | |
|-----------|--|
| 9016-87-9 | Diphenylmethane diisocyanate, isomers and homologues |
| 101-68-8 | 4,4'-methylene diphenyl diisocyanate |

TSCA (TOXIC SUBSTANCES CONTROL ACT)

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirement

PROPOSITION 65

CHEMICALS KNOWN TO CAUSE CANCER:

None of the ingredients are listed

CHEMICALS KNOWN TO CAUSE REPRODUCTIVE TOXICITY FOR FEMALES:

None of the ingredients are listed

CHEMICALS KNOWN TO CAUSE REPRODUCTIVE TOXICITY FOR MALES:

None of the ingredients are listed

CHEMICALS KNOWN TO CAUSE DEVELOPMENTAL TOXICITY:

None of the ingredients are listed

(DSL) CANADA DOMESTIC SUBSTANCE LIST

All components of this product are on the DSL (Canada Domestic Substance List) or are exempt from DSL requirements:

NEW JERSEY RIGHT-TO-KNOW LIST:

| | |
|-----------|--|
| 9016-87-9 | Diphenylmethane diisocyanate, isomers and homologues |
| 101-68-8 | 4,4'-methylene diphenyl diisocyanate |

NEW JERSEY SPECIAL HAZARDOUS SUBSTANCE LIST:

None of the ingredients are listed

PENNSYLVANIA RIGHT-TO-KNOW LIST:

| | |
|----------|--------------------------------------|
| 101-68-8 | 4,4'-methylene diphenyl diisocyanate |
|----------|--------------------------------------|



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| PENNSYLVANIA SPECIAL HAZARDOUS SUBSTANCE LIST: | | |
|--|--------------------------------------|---|
| 101-68-8 | 4,4'-methylene diphenyl diisocyanate | E |

CANCEROGENICITY CATEGORIES:

| EPA (ENVIRONMENTAL PROTECTION AGENCY) | | |
|---------------------------------------|--|--------|
| 9016-87-9 | Diphenylmethane diisocyanate, isomers and homologues | CBD |
| 101-68-8 | 4,4'-methylene diphenyl diisocyanate | D, CBD |

| TLV (THRESHOLD LIMIT VALUE ESTABLISHED BY ACGIH) | |
|--|--|
| None of the ingredients are listed. | |

| MAK (GERMAN MAXIMUM WORKPLAVE CONCENTRATION) | | |
|--|--|---|
| 101-68-8 | 4,4'-methylene diphenyl diisocyanate | 4 |
| 9016-87-9 | Diphenylmethane diisocyanate, isomers and homologues | 4 |

| NIOSH-CA (NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH) | |
|--|--|
| None of the ingredients are listed. | |

CHEMICAL SAFETY ASSESSMENT: A Chemical Safety Assessment has not been carried out.

SECTION 16 – OTHER INFORMATION

REVISION DATE OF SDS January 24, 2021

REPLACES THE MSDS/SDS (new)
FROM

PREPARED BY HSE department

GENERAL INFORMATION 1-888-766-2468

WEBSITE www.iko.com

OTHER INFO/DISCLAMERS Read this Safety Data Sheet before handling or disposing of this product.

This product safety information is provided to help our customers with health, safety and/or environmental matters. We have taken reasonable effort to ensure that the test methods and sources for this data are correct and reliable, however, we give no warranty, expressed or implied, regarding its correctness. Since conditions or methods of handling and using this product are beyond our control, we do not assume responsibility and expressly disclaim liability for damages resulting from or connected with the handling, storage, use or disposal of the product.



SAFETY DATA SHEET 2548

IKO MILLENNIUM ADHESIVE

SECTION 1 – SUBSTANCE IDENTITY AND COMPANY CONTACT INFORMATION

| | |
|-----------------------|---|
| PRODUCT NAME | IKO Millennium Adhesive 1.5 L Cartridge Set Part 2 of 2 |
| TRADE NAME | Foamable Adhesive |
| PRODUCT NUMBER | None |
| CHEMICAL FAMILY | Mixture |
| PRODUCT USE | Adhesive |
| MANUFACTURER/SUPPLIER | IKO Industries Ltd. 160 IKO Way Hagerstown, MD 21740 United States |
| WEBSITE | www.iko.com |
| EMERGENCY NUMBER | CANUTEC: 1-613-996-6666 (24 hours information only) |

SECTION 2 – HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

SIGNAL WORD WARNING

SYMBOL(S)



CLASSIFICATION
Eye Effects - Category 2A
Skin Sensitization - Category 1
Skin Irritation - Category 2

HAZARD STATEMENTS
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

PRECAUTIONARY STATEMENTS
P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P264 Wash thoroughly after handling.
P272 Contaminated work clothing must not be allowed out of the workplace.
P290 Wear protective gloves / eye protection / face protection.
P303+P361+P353 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 Specific treatment (see on this label).
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.



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IKO MILLENNIUM ADHESIVE

P337+P313 If eye irritation persists: Get medical advice/attention.
P362 Take off contaminated clothing and wash it before reuse.
P363 Wash contaminated clothing before reuse.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

| | |
|------|---|
| NFPA | Health: 1 Flammability: 1 Instability: 0 |
| HMIS | Health: 1 Flammability: 1 Physical Hazards: 0 |

SECTION 3 – CHEMICAL COMPOSITION AND DATA ON COMPONENTS

| HAZARDOUS CHEMICAL NAME | % (w/w) | CAS NUMBER |
|--|---------|------------|
| N-[3-(trimethoxysilyl)propyl]ethylenediamine | ≤ 2.5 | 1760-24-3 |

SECTION 4 – FIRST AID

| | |
|----------------------------|---|
| INHALATION | For overexposure, remove to fresh air and seek medical attention. In case of unconsciousness place patient stably in side position for transportation. Call a doctor immediately. |
| INGESTION | Rinse out mouth with water. Drink 1 - 2 glasses of water but DO NOT induce vomiting. Do not give liquids to a drowsy, convulsing or unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Seek medical treatment. |
| SKIN CONTACT | Immediately wash with water and soap and rinse thoroughly. |
| EYE CONTACT | Rinse opened eye for 20 minutes under running water. If eye becomes irritated, obtain medical treatment. |
| ACUTE AND CHRONIC SYMPTOMS | Refer to section 11, Toxicological Information, for additional information. |
| MEDICAL ATTENTION | No information available. |

SECTION 5 – FIRE-FIGHTING MEASURES

| | |
|---------------------|--|
| EXTINGUISHING MEDIA | No information available. |
| FIRE FIGHTING | Use firefighting measures that suit the environment. Dried solids can burn and release toxic fumes and vapors. |



SAFETY DATA SHEET 2548

IKO MILLENNIUM ADHESIVE

FLAMMABILITY

No information available.

PROPERTIES:

FLASH POINT > 350°C (> 662°F)

FLAMMABLE LIMITS IN AIR Lower Flammability Limit (% vol): 0.9
Upper Flammability Limit (% vol): 6.7

AUTO IGNITION TEMPERATURE This product is not self-igniting.

SPECIAL PPE FOR FIRE-FIGHTERS Protective clothing and respiratory protective device.

SECTION 7 - HANDLING AND STORAGE

PERSONAL PRECAUTIONS, PROTECTIVE MEASURES AND EMERGENCY PROCEDURES

Ensure adequate ventilation. Use personal protective equipment described in section 8, Exposure Control and Personal Protection.

Protective action criteria for chemicals:

| PAC-1: | | |
|------------|--|-----------------------|
| 67762-90-7 | Synthetic Amorphous Silica | 120 mg/m ³ |
| 1760-24-3 | N-(3-(trimethoxysilyl)propyl)ethylenediamine | 23 mg/m ³ |

| PAC-2: | | |
|------------|--|------------------------|
| 67762-90-7 | Synthetic Amorphous Silica | 1300 mg/m ³ |
| 1760-24-3 | N-(3-(trimethoxysilyl)propyl)ethylenediamine | 250 mg/m ³ |

| PAC-3: | | |
|------------|--|-------------------------|
| 67762-90-7 | Synthetic Amorphous Silica | 7,900 mg/m ³ |
| 1760-24-3 | N-(3-(trimethoxysilyl)propyl)ethylenediamine | 1,500 mg/m ³ |

ENVIRONMENTAL PRECAUTIONS

Do not allow to enter sewers/ surface or ground water.

SPILL MANAGEMENT

Dispose of contaminated material as waste in accordance with federal state and local regulations. Use water, if necessary with cleansing agents.



SAFETY DATA SHEET 2548

IKO MILLENNIUM ADHESIVE

HANDLING PROCEDURE

Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Wash thoroughly after handling. Open containers in a well-ventilated area and avoid breathing headspace vapors. Use personal protective equipment described in section 8, Exposure Control and Personal Protection.

STORAGE PRECAUTIONS

Store away from oxidizing agents.

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

| | OCCUPATIONAL EXPOSURE LIMITS | | | | |
|--|------------------------------|---------|------------------|------|-------|
| CHEMICAL NAME | ALBERTA | ONTARIO | BRITISH COLUMBIA | OSHA | ACGIH |
| N-(3-(trimethoxysilyl)propyl)ethylenediamine | No information available. | | | | |

ENGINEERING MEASURES

Ensure adequate ventilation.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION

Not necessary if room is well ventilated.

SKIN AND BODY PROTECTION

Protective work clothing.

Protective gloves: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves: Nitrile rubber (NBR), Chloroprene rubber (CR). The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

EYE PROTECTION

Safety glasses with side shields.

HYGIENE MEASURES

Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.

OTHER CONTROLS

No information available.



SAFETY DATA SHEET 2548

IKO MILLENNIUM ADHESIVE

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| APPEARANCE (PHYSICAL STATE, COLOR etc.) | Colorless Liquid |
| ODOR | Polyether |
| ODOR THRESHOLD | No information available. |
| PH | 9-10 at 20°C |
| MELTING POINT/FREEZING POINT | No information available. |
| INITIAL BOILING POINT AND BOILING RANGE | No information available. |
| FLASH POINT | > 350°C (> 662°F) |
| EVAPORATION RATE | No information available. |
| FLAMMABILITY | Product is not flammable |
| UPPER/LOWER FLAMMABILITY/EXPLOSIVE LIMITS | Lower Flammability Limit (% vol): 0.9 Upper Flammability Limit (% vol): 6.7 Product does not present an explosion hazard. |
| VAPOR PRESSURE | No information available. |
| VAPOR DENSITY | No information available. |
| MOLECULAR WEIGHT | No information available. |
| SOLUBILITY(IES) | No information available. |
| PARTITION COEFFICIENT: N-OCTANOL/WATER | No information available. |
| AUTO-IGNITION TEMPERATURE | Product is not self-igniting. |
| SPECIFIC GRAVITY | 0.98 g/cm ³ (8.178 lbs/gal) |
| VISCOSITY | No information available. |



SAFETY DATA SHEET 2548

IKO MILLENNIUM ADHESIVE

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY

| | |
|---------------------------------------|---|
| CHEMICAL STABILITY | Stable under recommended storage conditions. |
| POSSIBILITY OF HAZARDOUS REACTIONS | No decomposition if used according to specifications. No dangerous reactions known. |
| CONDITIONS TO AVOID | Exposure to high temperatures. |
| INCOMPATIBLE MATERIALS | Reacts with oxidizing agents. |
| HAZARDOUS DECOMPOSITION PRODUCTS | Carbon monoxide, carbon dioxide and tin oxide |

SECTION 11 – TOXICOLOGICAL INFORMATION

| | |
|---|--|
| ACUTE/CHRONIC TOXICITY | No information available. |
| MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE | No information available. |
| PRIMARY ROUTE OF EXPOSURE | Skin contact. |
| HEALTH EFFECTS: | |
| EYES | May irritate the eye. Symptoms include itching, burning, redness and tearing. May cause eye burns. |
| SKIN | Skin irritant. Sensitization possible through skin contact. |
| INHALATION | Allergic lung reaction such as asthma, which includes coughing, wheezing, chest pain and tightness, difficulty breathing and shortness of breath; irritation of the upper respiratory tract, which includes burning of mouth, throat, and chest. |
| INGESTION | Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea. |
| STOT (SPECIFIC TARGET ORGAN TOXICITY)- SINGLE EXPOSURE | No information available. |
| STOT (SPECIFIC TARGET ORGAN TOXICITY) – REPEATED EXPOSURE | No information available. |



SAFETY DATA SHEET 2548

IKO MILLENNIUM ADHESIVE

CARCINOGENICITY

| |
|--|
| IARC (INTERNATIONAL AGENCY FOR RESEARCH ON CANCER) |
|--|

| |
|-------------------------------------|
| None of the ingredients are listed. |
|-------------------------------------|

| |
|-----------------------------------|
| NTP (NATIONAL TOXICOLOGY PROGRAM) |
|-----------------------------------|

| |
|------------------------------------|
| None of the ingredients are listed |
|------------------------------------|

| |
|---|
| OSHA-Ca (OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION) |
|---|

| |
|------------------------------------|
| None of the ingredients are listed |
|------------------------------------|

REPRODUCTIVE TOXICITY

| | |
|--------------------------|---------------------------|
| DEVELOPMENT OF OFFSPRING | No information available. |
|--------------------------|---------------------------|

| | |
|-------------------------------|---------------------------|
| SEXUAL FUNCTION AND FERTILITY | No information available. |
|-------------------------------|---------------------------|

| | |
|------------------------|---------------------------|
| GERM CELL MUTAGENICITY | No information available. |
|------------------------|---------------------------|

SECTION 12 – ECOLOGICAL INFORMATION

| | |
|-------------|---------------------------|
| ECOTOXICITY | No information available. |
|-------------|---------------------------|

| | |
|-----------------------------|---------------------------|
| PERSISTENCE & DEGRADABILITY | No information available. |
|-----------------------------|---------------------------|

| | |
|-------------------------|---------------------------|
| BIODEGRADATION MOBILITY | No information available. |
|-------------------------|---------------------------|

| | |
|---------------------------|---------------------------|
| BIOACCUMULATION POTENTIAL | No information available. |
|---------------------------|---------------------------|

| | |
|---------------------|---|
| GENERAL INFORMATION | Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground. |
|---------------------|---|

SECTION 13 – DISPOSAL CONSIDERATIONS

| | |
|--------------------------|--|
| DISPOSAL RECOMMENDATIONS | Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Must be specially treated adhering to official regulations. Disposal must be made according to official regulations. |
|--------------------------|--|



SAFETY DATA SHEET 2548

IKO MILLENNIUM ADHESIVE

SECTION 14 – TRANSPORT INFORMATION

UN-NUMBER:

DOT Not regulated

ADN, IMDG, LATA Not regulated

UN PROPER SHIPPING NAME:

DOT Not regulated

ADN, IMDG, LATA Not regulated

TRANSPORT HAZARD

CLASS(ES):

DOT CLASS Not regulated

AND/R CLASS Not regulated

PACKING GROUP:

DOT Not regulated

IMDG, LATA Not regulated

ENVIRONMENTAL HAZARD Not applicable

SPECIAL PRECAUTIONS FOR
USERS Not applicable

TRANSPORT IN BULK Not applicable
ACCORDING TO ANNEX II OF
MARPOL 73/78 AND THE IBC
CODE

UN "MODEL REGULATION" Not regulated

SECTION 15 - REGULATIONS

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE
SUBSTANCE OR MIXTURE

SARA

SECTION 355 (EXTREMELY HAZARDOUS SUBSTANCES)

None of the ingredients are listed.

SECTION 313 (SPECIFIC TOXIC CHEMICAL LISTINGS)

None of the ingredients are listed.

TSCA (TOXIC SUBSTANCES CONTROL ACT)

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.



SAFETY DATA SHEET 2548

IKO MILLENNIUM ADHESIVE

PROPOSITION 65

| |
|----------------------------------|
| CHEMICALS KNOWN TO CAUSE CANCER: |
|----------------------------------|

| |
|-------------------------------------|
| None of the ingredients are listed. |
|-------------------------------------|

| |
|---|
| CHEMICALS KNOWN TO CAUSE REPRODUCTIVE TOXICITY FOR FEMALES: |
|---|

| |
|-------------------------------------|
| None of the ingredients are listed. |
|-------------------------------------|

| |
|--|
| CHEMICALS KNOWN TO CAUSE REPRODUCTIVE TOXICITY IN MALES: |
|--|

| |
|-------------------------------------|
| None of the ingredients are listed. |
|-------------------------------------|

| |
|--|
| CHEMICALS KNOWN TO CAUSE DEVELOPMENTAL TOXICITY: |
|--|

| |
|-------------------------------------|
| None of the ingredients are listed. |
|-------------------------------------|

(DSL) CANADA DOMESTIC SUBSTANCE LIST

All components of this product are on the DSL (Canada Domestic Substance List) or are exempt from DSL requirements:

| |
|--------------------------------|
| NEW JERSEY RIGHT-TO-KNOW LIST: |
|--------------------------------|

| |
|-------------------------------------|
| None of the ingredients are listed. |
|-------------------------------------|

| |
|--|
| NEW JERSEY SPECIAL HAZARDOUS SUBSTANCE LIST: |
|--|

| |
|-------------------------------------|
| None of the ingredients are listed. |
|-------------------------------------|

| |
|----------------------------------|
| PENNSYLVANIA RIGHT-TO-KNOW LIST: |
|----------------------------------|

| |
|-------------------------------------|
| None of the ingredients are listed. |
|-------------------------------------|

| |
|--|
| PENNSYLVANIA SPECIAL HAZARDOUS SUBSTANCE LIST: |
|--|

| |
|-------------------------------------|
| None of the ingredients are listed. |
|-------------------------------------|

CANCEROGENICITY CATEGORIES:

| |
|---------------------------------------|
| EPA (ENVIRONMENTAL PROTECTION AGENCY) |
|---------------------------------------|

| |
|-------------------------------------|
| None of the ingredients are listed. |
|-------------------------------------|

| |
|--|
| TLV (THRESHOLD LIMIT VALUE ESTABLISHED BY ACGIH) |
|--|

| |
|-------------------------------------|
| None of the ingredients are listed. |
|-------------------------------------|

| |
|--|
| MAK (GERMAN MAXIMUM WORKPLACE CONCENTRATION) |
|--|

| |
|-------------------------------------|
| None of the ingredients are listed. |
|-------------------------------------|



SAFETY DATA SHEET 2548

IKO MILLENNIUM ADHESIVE

| |
|--|
| NIOSH-Ca (NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH) |
| None of the ingredients are listed. |

NATIONAL REGULATIONS:

- WATER HAZARD CLASS: Water Hazard class 1 (self-assessment): slightly hazardous for water.
- CHEMICAL SAFETY ASSESSMENT: A Chemical Safety Assessment has not been carried out.

SECTION 16 – OTHER INFORMATION

| | |
|----------------------------|--|
| REVISION DATE OF SDS | January 27, 2021 |
| REPLACES THE MSDS/SDS FROM | (new) |
| PREPARED BY | HSE department |
| GENERAL INFORMATION | 1-888-766-2468 |
| WEBISTE | www.iko.com |
| OTHER INFO/DISCLAMERS | <p>Read this Safety Data Sheet before handling or disposing of this product.</p> <p>This product safety information is provided to help our customers with health, safety and/or environmental matters. We have taken reasonable effort to ensure that the test methods and sources for this data are correct and reliable, however, we give no warranty, expressed or implied, regarding its correctness. Since conditions or methods of handling and using this product are beyond our control, we do not assume responsibility and expressly disclaim liability for damages resulting from or connected with the handling, storage, use or disposal of the product.</p> |



SAFETY DATA SHEET 2594

InnoviFlash TPO Cover Tape (6" & 10")

SECTION 1 – SUBSTANCE IDENTITY AND COMPANY CONTACT INFORMATION

| | |
|-----------------------|---|
| PRODUCT NAME | InnoviFlash TPO Cover Tape (6" & 10") |
| TRADE NAME | TPO Flashing/Cover Tape |
| PRODUCT NUMBER | 6209060, 6209170, 6209173, 6210060, 6210170, 6210173 |
| CHEMICAL FAMILY | No information available. |
| PRODUCT USE | Adhesive, Roofing Tape |
| MANUFACTURER/SUPPLIER | IKO Industries Ltd. 160 IKO Way Hagerstown, MD 21740 United States |
| WEBSITE | www.iko.com |
| EMERGENCY NUMBER | CANUTEC: 1-613-996-6666 (24 hours information only) |

SECTION 2 – HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

SIGNAL WORD None

SYMBOL(S) None

CLASSIFICATION None

HAZARD STATEMENTS None

PRECAUTIONARY STATEMENTS None

NFPA Health: 0
Flammability: 0
Instability: 0

HMIS Health: 0
Flammability: 0
Physical Hazards: 0

Exempt from regulation because this is an 'Article' that does not release or otherwise result in exposure to a hazardous chemical under normal use under the OSHA Hazardous Communication standard 29 CFR 1910.1200



SAFETY DATA SHEET 2594

InnoviFlash TPO Cover Tape (6" & 10")

SECTION 3 – CHEMICAL COMPOSITION AND DATA ON COMPONENTS

CHEMICAL CHARACTERIZATION

Mixtures

SECTION 4 – FIRST AID

| | |
|----------------------------|---|
| INHALATION | Supply fresh air or oxygen; call for doctor. In case of unconsciousness place patient stably in side position for transportation. |
| INGESTION | Seek medical treatment. |
| SKIN CONTACT | Immediately wash with water and soap and rinse thoroughly. |
| EYE CONTACT | Rinse opened eye for 20 minutes under running water. Call a Doctor immediately. |
| ACUTE AND CHRONIC SYMPTOMS | No information available. |
| MEDICAL ATTENTION | No information available. |

SECTION 5 – FIRE-FIGHTING MEASURES

| | |
|-------------------------------|---|
| EXTINGUISHING MEDIA | CO ₂ , extinguishing powder or water spray. Fight larger fires with water spray. |
| FIRE FIGHTING | Use fire fighting measures that suit the environment. |
| FLAMMABILITY | Product does not present an explosion hazard. |
| PROPERTIES: | |
| FLASH POINT | Not applicable. |
| FLAMMABLE LIMITS IN AIR | Lower: % by volume = .9 Upper: % by volume = 6.7 |
| AUTO IGNITION TEMPERATURE | Product is not selfigniting. |
| SPECIAL PPE FOR FIRE-FIGHTERS | Protective clothing and respiratory protective device. |



SAFETY DATA SHEET 2594

InnoviFlash TPO Cover Tape (6" & 10")

SECTION 6 – ACCIDENTAL RELEASE MEASURES

| | |
|--|---|
| PERSONAL PRECAUTIONS, PROTECTIVE MEASURES AND EMERGENCY PROCEDURES | Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation |
| ENVIRONMENTAL PRECAUTIONS | Do not allow to enter sewers/ surface or ground water |
| SPILL MANAGEMENT | Dispose of contaminated material as waste in accordance with federal state and local regulations. |

SECTION 7 - HANDLING AND STORAGE

| | |
|---------------------|---|
| HANDLING PROCEDURE | Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Wash thoroughly after handling. |
| STORAGE PRECAUTIONS | Store in a cool location away from direct heat (0-50 °C). Store away from oxidizing agents. Keep receptacle tightly sealed. |

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

| | |
|-----------------------------------|---|
| EXPOSURE CONTROL | The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. |
| ENGINEERING MEASURES | Not applicable. |
| PERSONAL PROTECTIVE EQUIPMENT: | Gloves, safety glasses, protective clothing |
| RESPIRATORY PROTECTION | Not needed if room is well-ventilated. |
| SKIN AND BODY PROTECTION | Protective gloves, Nitrile rubber, NBR Chloroprene rubber, CR (The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.). Protective work clothing |
| EYE PROTECTION | Safety glasses with side shields. |
| HYGIENE MEASURES | Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes. Avoid contact with the eyes and skin. |
| OTHER CONTROLS | No information available. |



SAFETY DATA SHEET 2594

InnoviFlash TPO Cover Tape (6" & 10")

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|--|
| APPEARANCE (PHYSICAL STATE, COLOR etc.) | Form: Solid Color: White |
| ODOR | Characteristic |
| ODOR THRESHOLD | Not determined. |
| PH | Not applicable |
| MELTING POINT/FREEZING POINT | Undetermined. |
| INITIAL BOILING POINT AND BOILING RANGE | Undetermined. |
| FLASH POINT | Not applicable. |
| EVAPORATION RATE | Not applicable. |
| FLAMMABILITY | |
| UPPER/LOWER FLAMMABILITY/EXPLOSIVE LIMITS | Lower: % by volume = 0.9 Upper: % by volume = 6.7 |
| VAPOR PRESSURE | Not applicable |
| VAPOR DENSITY | Not applicable |
| RELATIVE DENSITY | Not determined. |
| MOLECULAR WEIGHT | No information available. |
| SOLUBILITY(IES) | Insoluble (Miscibility with Water): |
| PARTITION COEFFICIENT: N-OCTANOL/WATER | No information available. |
| AUTO-IGNITION TEMPERATURE | Not applicable (Product is not selfigniting). |
| SPECIFIC GRAVITY | Not determined. |
| VISCOSITY | Not applicable (solid content: 100%) |



SAFETY DATA SHEET 2594

InnoviFlash TPO Cover Tape (6" & 10")

SECTION 10 – STABILITY AND REACTIVITY

| | |
|------------------------------------|---|
| REACTIVITY: | No information available. |
| CHEMICAL STABILITY | Chemically stable. No decomposition if used according to specifications |
| POSSIBILITY OF HAZARDOUS REACTIONS | No dangerous reactions known. |
| CONDITIONS TO AVOID | Heat, flames, sparks, hot surfaces, ignition sources. |
| INCOMPATIBLE MATERIALS | Reacts with oxidizing agents |
| HAZARDOUS DECOMPOSITION PRODUCTS | Carbon monoxide and carbon dioxide |

SECTION 11 – TOXICOLOGICAL INFORMATION

| | |
|---|--|
| ACUTE/CHRONIC TOXICITY | When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us. |
| MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE | No information available. |
| PRIMARY ROUTE OF EXPOSURE | No information available. |
| HEALTH EFFECTS: | Primary irritant effect: |
| EYES | May irritate the eye. |
| SKIN | May irritate the skin. |
| INHALATION | No information available. |
| INGESTION | No information available. |
| STOT (SPECIFIC TARGET ORGAN TOXICITY)- SINGLE EXPOSURE | No information available. |
| STOT (SPECIFIC TARGET ORGAN TOXICITY) – REPEATED EXPOSURE | No information available. |
| CARCINOGENICITY | None of the ingredients is listed in IARC, NTP or OSHA-Ca. |



SAFETY DATA SHEET 2594

InnoviFlash TPO Cover Tape (6" & 10")

REPRODUCTIVE TOXICITY:

DEVELOPMENT OF OFFSPRING No information available.

SEXUAL FUNCTION AND FERTILITY No information available.

GERM CELL MUTAGENICITY No information available.

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY At present there are no ecotoxicological assessments.

PERSISTENCE & DEGRADABILITY No information available.

BIODEGRADATION MOBILITY No information available.

BIOACCUMULATION POTENTIAL No information available.

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL RECOMMENDATIONS Waste treatment methods:
Must be specially treated adhering to official regulations.

Uncleaned packagings:
Disposal must be made according to official regulations.

SECTION 14 – TRANSPORT INFORMATION

UN-NUMBER: Not regulated.
DOT
ADN, IMDG, IATA

UN PROPER SHIPPING NAME: Not regulated.
DOT
ADN, IMDG, IATA

TRANSPORT HAZARD CLASS(ES): Not regulated.
DOT
ADN, IMDG, IATA CLASS



SAFETY DATA SHEET 2594

InnoviFlash TPO Cover Tape (6" & 10")

| | |
|---|-----------------------------------|
| PACKING GROUP: DOT IMDG, IATA | Not regulated. |
| ENVIRONMENTAL HAZARD | Not applicable. |
| SPECIAL PRECAUTIONS FOR USERS | Not applicable. |
| TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE | Not applicable. |
| TRANSPORT/ADDITIONAL INFORMATION | No further information available. |
| UN "MODEL REGULATION" | - |

SECTION 15 - REGULATIONS

| | |
|---|--|
| Section 355 (Extremely Hazardous Substances) | None of the ingredients is listed |
| Section 313 (Specific Toxic Chemical Listings) | None of the ingredients is listed |
| TSCA (Toxic Substance Control Act) | None of the ingredients is listed |
| Proposition 65 | None of the ingredients is listed |
| (DSL) Canada Domestic Substance List | All components of this product are on the DSL(Canada Domestic Substance list) or are exempt from DSL requirements |

SECTION 16 – OTHER INFORMATION

| | |
|-------------------------------|--|
| REVISION DATE OF SDS | January 27, 2021 |
| REPLACES THE MSDS/SDS FROM | (new) |
| PREPARED BY | HSE department |
| GENERAL INFORMATION | 1-888-766-2468 |
| WEBSITE | www.iko.com |
| OTHER INFO/DISCLAMERS | Read this Safety Data Sheet before handling or disposing of this product. |



SAFETY DATA SHEET 2594

InnoviFlash TPO Cover Tape (6" & 10")

This product safety information is provided to help our customers with health, safety and/or environmental matters. We have taken reasonable effort to ensure that the test methods and sources for this data are correct and reliable, however, we give no warranty, expressed or implied, regarding its correctness. Since conditions or methods of handling and using this product are beyond our control, we do not assume responsibility and expressly disclaim liability for damages resulting from or connected with the handling, storage, use or disposal of the product.

SAFETY DATA SHEET 25106

InnoviSeal TPO Edge Sealant

SECTION 1 – SUBSTANCE IDENTITY AND COMPANY CONTACT INFORMATION

| | |
|-----------------------|---|
| PRODUCT NAME | InnoviSeal TPO Edge Sealant |
| TRADE NAME | TPO Edge Sealant |
| PRODUCT NUMBER | 6100006 |
| CHEMICAL FAMILY | Sealant |
| PRODUCT USE | Adhesive/Sealant |
| MANUFACTURER/SUPPLIER | Royal Adhesives & Sealants, LLC 4401 Page Avenue. P. O. Box 457 Michigan Center, MI 49254 Information Phone Number: 517-764-0334 |
| WEBSITE | www.iko.com |
| EMERGENCY NUMBER | CANUTEC: 1-613-996-6666 (24 hours information only) |

SECTION 2 – HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

SIGNAL WORD Warning

SYMBOL(S)



CLASSIFICATION

STOT RE 1
Skin Irrit. 2
Aquatic Chronic 3

HAZARD STATEMENTS

H315 Causes skin irritation.
H372 Causes damage to the central nervous system through prolonged or repeated exposure
H412 Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

Prevention:
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Avoid release to the environment.

Response:
Wear protective gloves.
If on skin: Wash with plenty of water.
Specific treatment (see on this label).
Get medical advice/attention if you feel unwell.
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.

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InnoviSeal TPO Edge Sealant

| | |
|------|---|
| | Disposal: |
| | Dispose of contents/container in accordance with local/regional/national/international regulations. |
| NFPA | Health: 2 |
| | Flammability: 3 |
| | Reactivity: 0 |
| HMIS | Health: 2 |
| | Flammability: 3 |
| | Physical Hazards: 0 |

SECTION 3 – CHEMICAL COMPOSITION AND DATA ON COMPONENTS

| CHEMICAL NAME | % (w/w) | CAS NUMBER |
|--|-----------|------------|
| Naphtha, petroleum, hydrotreated light, low boil | 5 – 20% | 64742-49-0 |
| Solvent naphtha (petroleum), medium aliph | 2.5 – 10% | 64742-88-7 |
| Distillates (petroleum), hydrotreated heavy naphthenic | ≤ 2.5% | 64742-52-5 |
| Titanium dioxide | ≤ 2.5% | 13463-67-7 |
| Calcium oxide | ≤ 1% | 1305-78-8 |

Additional information:

It is highly unlikely the powders and pigments compounded within this product would pose a hazardous risk from inhalation as they are no longer a respirable particulate. Exposure to these ingredients as used in sealants, putties, bedding compounds and other non-sprayable products is highly unlikely. The concentrations listed in the composition section are percent by weight unless a gas. Gas concentrations are expressed in percent by volume.

SECTION 4 – FIRST AID

| | |
|----------------------------|--|
| INHALATION | Call a doctor immediately. Overexposure, remove to fresh air and seek medical attention. |
| INGESTION | Seek medical treatment |
| SKIN CONTACT | Immediately wash with water and soap and rinse thoroughly |
| EYE CONTACT | Rinse opened eye for 20 minutes under running water. If eye becomes irritated, obtain medical treatment. |
| ACUTE AND CHRONIC SYMPTOMS | No further relevant information available |
| MEDICAL ATTENTION | No further relevant information available. |

SECTION 5 – FIRE-FIGHTING MEASURES

| | |
|-------------------------------|---|
| EXTINGUISHING MEDIA | Suitable extinguishing agents: CO2, extinguishing powder or water spray. Fight larger fires with water spray. |
| ADVICE FOR FIRE FIGHTING | Protective equipment: Protective clothing and respiratory protective device |
| HAZARDOUS COMBUSTION PRODUCTS | Formation of toxic gases is possible during heating or in case of fire. Dried solids can burn and release toxic fumes and vapors. |

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FLAMMABILITY No further relevant information available
Not applicable

PROPERTIES:

FLASH POINT 10°C (50 °F)

FLAMMABLE LIMITS IN AIR Not determined

AUTO IGNITION TEMPERATURE Product is not selfigniting.

SPECIAL PPE FOR FIRE-FIGHTERS Protective clothing and respiratory protective device.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE MEASURES AND EMERGENCY PROCEDURES Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation

ENVIRONMENTAL PRECAUTIONS Do not allow to enter sewers/ surface or ground water.

SPILL MANAGEMENT Dispose of contaminated material as waste in accordance with federal state and local regulations.
· Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

PROTECTIVE ACTION CRITERIA FOR CHEMICALS

| PAC-1: | | |
|-------------|--|-----------------------|
| 64742-52-5 | Distillates (petroleum), hydrotreated heavy naphthenic | 140 mg/m ³ |
| 57-11-4 | Stearic acid, pure | 14 mg/m ³ |
| 112945-52-5 | Amorphous Silica | 18 mg/m ³ |
| 1305-78-8 | Calcium oxide | 6 mg/m ³ |

| PAC-2: | | |
|-------------|--|------------------------|
| 64742-52-5 | Distillates (petroleum), hydrotreated heavy naphthenic | 1500 mg/m ³ |
| 57-11-4 | Stearic acid, pure | 150 mg/m ³ |
| 112945-52-5 | Amorphous Silica | 100 mg/m ³ |
| 1305-78-8 | Calcium oxide | 110 mg/m ³ |

| PAC-3: | | |
|-------------|--|------------------------|
| 64742-52-5 | Distillates (petroleum), hydrotreated heavy naphthenic | 8900 mg/m ³ |
| 57-11-4 | Stearic acid, pure | 910 mg/m ³ |
| 112945-52-5 | Amorphous Silica | 630 mg/m ³ |
| 1305-78-8 | Calcium oxide | 660 mg/m ³ |

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SECTION 7 - HANDLING AND STORAGE

| | |
|---------------------|---|
| HANDLING PROCEDURE | Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Wash thoroughly after handling. Information about protection against explosions and fires: Keep container closed when not in use |
| STORAGE PRECAUTIONS | Requirements to be met by storerooms and receptacles: No special requirements. Information about storage in one common storage facility: Keep away from open flames and high temperatures. Further information about storage conditions: None. Specific end use(s): No further relevant information available. |

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

CONTROL PARAMETERS

- Components with limit values that require monitoring at the workplace:
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits

| CHEMICAL NAME | OCCUPATIONAL EXPOSURE LIMITS | | |
|--------------------------------|--|--|---|
| | ACGIH TLV | OSHA PEL | NIOSH REL |
| 13463-67-7 Titanium Dioxide | Long-term value: 10 mg/m ³ withdrawn from NIC | Long-term value: 15* mg/m ³ *total dust | See Pocket Guide App. A |
| 8032-32-4 Ligroine | TLV Withdrawn - refer to Appendix H | -- | Long-term value: 350 mg/m ³ Ceiling limit value: 1800* mg/m ³ *15-min |
| 1305-78-8 Calcium Oxide | Long-term value: 2 mg/m ³ | Long-term value: 5 mg/m ³ | Long-term value: 2 mg/m ³ |

ENGINEERING MEASURES No information available.
PERSONAL PROTECTIVE
EQUIPMENT:

- | | |
|--------------------------|---|
| RESPIRATORY PROTECTION | Not required. |
| SKIN AND BODY PROTECTION | <ul style="list-style-type: none">Body protection: Protective work clothingProtection of hands: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration |

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InnoviSeal TPO Edge Sealant

times, rates of diffusion and the degradation

- Material of gloves Nitrile rubber, NBR Chloroprene rubber, CR
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

EYE PROTECTION
HYGIENE MEASURES
OTHER CONTROLS

Safety glasses with side shields.
Wash hands before breaks and at the end of work.
No information available.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|--|
| APPEARANCE (PHYSICAL STATE, COLOR etc.) | Form: Pasty Solid |
| ODOR | Color: White Petroleum-like |
| ODOR THRESHOLD | Not determined |
| PH | Not applicable. |
| MELTING POINT/FREEZING POINT | Undetermined |
| INITIAL BOILING POINT AND BOILING RANGE | 131 °C (267.8 °F) |
| FLASH POINT | 10 °C (50 °F) |
| EVAPORATION RATE | No information available. |
| FLAMMABILITY | Not determined |
| UPPER/LOWER FLAMMABILITY/EXPLOSIVE LIMITS | Lower: Not determined Upper: Not determined |
| VAPOR PRESSURE | Not applicable. |
| VAPOR DENSITY | 3.8 |
| RELATIVE DENSITY | Not determined. |
| MOLECULAR WEIGHT | No information available. |
| SOLUBILITY IN/MISCIBILITY WITH WATER: | Soluble |
| PARTITION COEFFICIENT: N-OCTANOL/WATER | Not determined |

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| | |
|---------------------------|--|
| AUTO-IGNITION TEMPERATURE | Product is not selfigniting. |
| SPECIFIC GRAVITY | at 20 °C (68 °F): 1.42 g/cm ³ (11.8499 lbs/gal) |
| VISCOSITY | Dynamic: Not applicable. Kinematic: >20.5 cSt |
| SOLVENT CONTENT | Organic solvents: 16.4 % |
| SOLID CONTENT | 83.6% |
| OTHER INFORMATION | VOC's < 250 g/l |

SECTION 10 – STABILITY AND REACTIVITY

| | |
|------------------------------------|---|
| REACTIVITY: | No information available. |
| CHEMICAL STABILITY | Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications. |
| POSSIBILITY OF HAZARDOUS REACTIONS | No dangerous reactions known. |
| CONDITIONS TO AVOID | Heat, flames, sparks, hot surfaces, ignition sources. |
| INCOMPATIBLE MATERIALS | Reacts with oxidizing agents. |
| HAZARDOUS DECOMPOSITION PRODUCTS | No dangerous decomposition products known. |

SECTION 11 – TOXICOLOGICAL INFORMATION

| | |
|---|---|
| ACUTE/CHRONIC TOXICITY | Irritating |
| MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE | No information available. |
| PRIMARY ROUTE OF EXPOSURE | Skin or eyes. |
| HEALTH EFFECTS: | |
| EYES | May irritate the skin. |
| SKIN | May irritate the eye. |
| INHALATION | Inhalation - Sensitization possible through inhalation. |
| INGESTION | No information available. |
| STOT (SPECIFIC TARGET | No information available. |

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InnoviSeal TPO Edge Sealant

ORGAN TOXICITY)- SINGLE EXPOSURE

STOT (SPECIFIC TARGET
ORGAN TOXICITY) –
REPEATED EXPOSURE

No information available.

CARCINOGENICITY

- IARC (International Agency for Research on Cancer)
13463-67-7 Titanium dioxide - 2B
Polyethylene - 3
14808-60-7 Non-respirable quartz - 1
- NTP (National Toxicology Program)
14808-60-7 non-respirable quartz - K
- OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

REPRODUCTIVE TOXICITY:

DEVELOPMENT
OF OFFSPRING

No information available

SEXUAL FUNCTION
AND FERTILITY

No information available

GERM CELL MUTAGENICITY

No information available

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY

Aquatic toxicity: Not expected to be harmful to aquatic organisms

PERSISTENCE &
DEGRADABILITY

No further relevant information available.

BIODEGRADATION MOBILITY

Mobility in soil No further relevant information available.

BIOACCUMULATION
POTENTIAL

Bioaccumulative potential No further relevant information available.

GENERAL NOTES

At present there are no ecotoxicological assessments.
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground
water, water course or sewage system.

- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.
- Other adverse effects No further relevant information available

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL
RECOMMENDATIONS

- Waste treatment methods
- Recommendation:
Small amounts can be disposed of with household waste after the
product has cured or skinned over. Larger quantities should be

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InnoviSeal TPO Edge Sealant

disposed of according to state and local regulation.
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Must be specially treated adhering to official regulations.
Disposal must be made according to official regulations.

- Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.
- Recommended cleansing agent: Water, if necessary with cleansing agents.

SECTION 14 – TRANSPORT INFORMATION

| | |
|--|---|
| UN-NUMBER | |
| DOT, ADN, IMDG, IATA : | UN1325 |
| UN PROPER SHIPPING NAME | |
| DOT: | Flammable solids, organic, n.o.s. |
| ADN, IMDG, IATA | FLAMMABLE SOLID, ORGANIC, N.O.S |
| TRANSPORT HAZARD CLASS(ES): | |
| DOT, IMDG, IATA | 4.1 Flammable solids, self-reactive substances and solid desensitised explosives |
| AND/R CLAS: | not regulated |
| PACKING GROUP | |
| DOT, IMDG, IATA: | II |
| ENVIRONMENTAL HAZARD | Not applicable. |
| SPECIAL PRECAUTIONS FOR USERS | Warning: Flammable solids, self-reactive substances and solid desensitised explosives |
| EMS NUMBER: | F-A,S-G |
| TRANSPORT IN BULK | Not applicable. |
| ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE | |
| TRANSPORT/ADDITIONAL INFORMATION | No information available |
| UN "MODEL REGULATION" | UN1325, Flammable solids, organic, n.o.s., 4.1, II |

SECTION 15 - REGULATIONS

Safety, health and environmental regulations/legislation specific for the substance or mixture

- **Sara**
 - **Section 355 (extremely hazardous substances):**
None of the ingredients is listed.

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- **Section 313 (Specific toxic chemical listings):**
None of the ingredients is listed.
- **TSCA (Toxic Substances Control Act):**
All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.
- **Proposition 65**
Please contact H.B. Fuller for more information regarding Proposition 65 on this product:
reg.request@hbfuller.com
- **(DSL) Canada Domestic Substance List**
All components of this product are on the DSL(Canada Domestic Substance list) or are exempt from DSL requirements.
- **New Jersey Right-to-Know List:**
1317-65-3 Limestone
13463-67-7 titanium dioxide
1305-78-8 calcium oxide
- **New Jersey Special Hazardous Substance List:**
1305-78-8 Calcium oxide CO, R1
- **Pennsylvania Right-to-Know List:**
1317-65-3 Limestone
13463-67-7 Titanium dioxide
1305-78-8 Calcium oxide
- **Pennsylvania Special Hazardous Substance List:**
None of the ingredients is listed.
- **Carcinogenicity categories**
 - **EPA (Environmental Protection Agency)**
None of the ingredients is listed.
 - **TLV (Threshold Limit Value established by ACGIH)**
13463-67-7 titanium dioxide A4
8032-32-4 Lignoine A3
14808-60-7 non-respirable quartz A2
 - **MAK (German Maximum Workplace Concentration)**
13463-67-7 titanium dioxide 3A
14808-60-7 non-respirable quartz 1
 Trade Secret 3A
 - **NIOSH-Ca (National Institute for Occupational Safety and Health)**
13463-67-7 titanium dioxide
14808-60-7 non-respirable quartz
- **National regulations:**
 - **Information about limitation of use:** Use by properly trained workers recommended.
 - **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
 - **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out

SECTION 16 – OTHER INFORMATION

REVISION DATE OF SDS October 5, 2021

REPLACES THE MSDS/SDS (new)
FROM

SAFETY DATA SHEET 25106

InnoviSeal TPO Edge Sealant

| | |
|-----------------------|---|
| PREPARED BY | Research Department |
| GENERAL INFORMATION | 1-888-766-2468 |
| WEBSITE | www.iko.com |
| OTHER INFO/DISCLAMERS | Read this Safety Data Sheet before handling or disposing of this product. |

This product safety information is provided to help our customers with health, safety and/or environmental matters. We have taken reasonable effort to ensure that the test methods and sources for this data are correct and reliable, however, we give no warranty, expressed or implied, regarding its correctness. Since conditions or methods of handling and using this product are beyond our control, we do not assume responsibility and expressly disclaim liability for damages resulting from or connected with the handling, storage, use or disposal of the product.



SAFETY DATA SHEET 2511

IKOTHERM, IKOTHERM III, IKOTHERM COVERSHIELD, ENERFOIL, ENER-AIR,

SECTION 1 – SUBSTANCE IDENTITY AND COMPANY CONTACT INFORMATION

| | |
|-----------------------|---|
| PRODUCT NAMES | IKOTerm, IKOTerm III, IKOTerm CoverShield, Enerfoil, Ener-Air |
| TRADE NAME | Polyisocyanurate Insulation |
| PRODUCT NUMBERS | 418xxxx, 4181001, 4181002, 4181007, 4200xxx |
| CHEMICAL FAMILY | Foamed Plastic |
| FORMULA | Polyisocyanurate Foam with various facers and pentane |
| PRODUCT USE | Rigid, roof and wall insulation |
| MANUFACTURER/SUPPLIER | IKO Industries Ltd. 160 IKO Way Hagerstown, MD 21740 United States |
| WEBSITE | www.iko.com |
| EMERGENCY NUMBER | IKO: +1 (256) 401-8000 ext. 3422 |

SECTION 2 – HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

The products listed above are considered end-use or manufactured articles, and are not included in the scope of WHMIS 2015 and Globally Harmonization System (GHS). As such, the GHS/WHMIS labeling elements and classification are not included on this SDS.

| | |
|--------------------------|--|
| SIGNAL WORD | Not applicable. |
| SYMBOL(S) | Not applicable. |
| CLASSIFICATION | Not applicable. |
| HAZARD STATEMENTS | H335 May cause respiratory irritation |
| PRECAUTIONARY STATEMENTS | P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and Understood. P260 Do not breathe dust/fume/gas/mist/vapours/spray. P264 Wash thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P281 Use personal protective equipment as required. P308+P313 If exposed or concerned: Get medical attention. P314 Get medical advice/attention if you feel unwell. P501 Dispose of content/container in accordance with local/regional/national/international regulation. |



SAFETY DATA SHEET 2511

IKOTHERM, IKOTHERM III, IKOTHERM COVERSIELD, ENERFOIL, ENER-AIR,

NFPA No information available.

HMIS No information available.

SECTION 3 – CHEMICAL COMPOSITION AND DATA ON COMPONENTS

| HAZARDOUS CHEMICAL NAME | % (w/w) | CAS NUMBER |
|-------------------------|---------|------------|
| Polyisocyanurate Foam | 10 - 90 | n/a |
| Pentane | 2 - 10 | 109-66-0 |
| Fiberglass | 0 - 1 | 65997-17-3 |

SECTION 4 – FIRST AID

| | |
|----------------------------|---|
| INHALATION | Remove victim to fresh air. Seek medical attention if symptoms persist. |
| INGESTION | Not expected to be ingested. If ingested: rinse mouth and drink plenty of water. Do not induce vomiting. May cause gastrointestinal irritation. Seek medical attention if symptoms persist. |
| SKIN CONTACT | Routine first aid treatment for cuts and abrasions from handling. Wash hands with soap and water after handling. |
| EYE CONTACT | Flush affected eye in a stream of water for at least 15 minutes. Consult doctor if eye(s) are inflamed. |
| ACUTE AND CHRONIC SYMPTOMS | Refer to Section 11, Toxicological Information, for additional information. |
| MEDICAL ATTENTION | No information available. |

SECTION 5 – FIRE-FIGHTING MEASURES

| | |
|---------------------|---|
| EXTINGUISHING MEDIA | Water spray, dry chemical, or carbon dioxide. |
| FIRE FIGHTING | This product will burn and should not be left exposed to flames. Under certain fire conditions, combustible gases can be generated, creating rapidly spreading, high intensity flames and dense, black smoke. |
| FLAMMABILITY | Not flammable. |
| PROPERTIES: | |
| FLASH POINT | Not applicable. |
| FLAMMABLE | Not applicable. |



SAFETY DATA SHEET 2511

IKOTHERM, IKOTHERM III, IKOTHERM COVERSIELD, ENERFOIL, ENER-AIR,

LIMITS IN AIR

AUTO IGNITION Not applicable.
TEMPERATURE

SPECIAL PPE FOR Use NIOSH approved self-contained breathing equipment when
FIRE-FIGHTERS exposed to product flames or fire, as product will emit irritating and
 potentially toxic fumes on thermal degradation.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, Avoid dust generation. Do not dry sweep or use compressed air for
PROTECTIVE MEASURES AND cleaning dust. Use vacuum or wet sweeping methods. Use personal
EMERGENCY PROCEDURES protective equipment described in section 8, Exposure Control and
 Personal Protection.

ENVIRONMENTAL No information available.
PRECAUTIONS

SPILL MANAGEMENT Normal housekeeping measures. Pick up large pieces and dispose of
 in accordance with Local, State, Federal and Provincial regulations.

SECTION 7 - HANDLING AND STORAGE

HANDLING PROCEDURE When handling the material, wear the appropriate personal protective
 equipment described in section 8, Exposure Control and Personal
 Protection.

STORAGE PRECAUTIONS Store in a dry location protected from the elements, high temperature
 and flames/sparks.

OTHER PRECAUTIONS Comply with local safety standards and codes for roof work. Always
 use Fall Protection Systems when working on roofs. Do not walk on
 material that has not been securely fastened to the roof deck.

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION



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IKOTHERM, IKOTHERM III, IKOTHERM COVERSHIELD, ENERFOIL, ENER-AIR,

| CHEMICAL NAME | OCCUPATIONAL EXPOSURE LIMITS | | | | |
|------------------------------------|-------------------------------|-------------------------------|-------------------------------|--------------------------------|-------------------------------|
| | ALBERTA | ONTARIO | BRITISH COLUMBIA | OSHA | ACGIH |
| Polyisocyanurate Foam (Total Dust) | TWA : 10 mg/m ³ | TWA : 10 mg/m ³ | TWA : 10 mg/m ³ | TWA : 15 mg/m ³ | TWA : 10 mg/m ³ |
| Pentane | TWA : 600 ppm | TWA : 600 ppm | TWA : 600 ppm | TWA : 1000 ppm | TWA : 600 ppm |
| Fiberglass | TWA : 1 f/cc | TWA : 1 f/cc | TWA : 1 f/cc | No information available | TWA : 1 f/cc |

ENGINEERING MEASURES

Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air.

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION Not required under normal conditions of use, except during cutting of product. Wear NIOSH approved respiratory protection if irritation occurs or exposure limit is exceeded.

SKIN AND BODY PROTECTION Minimize skin contact. Protective gloves may be used when handling material. If excessive dust is generated during cutting, wear long-sleeved clothing, long pants and gloves to reduce irritation.

EYE PROTECTION Not required under normal conditions of use, except during cutting of product. Wear safety glasses or safety goggles if irritation occurs or exposure limit is exceeded.

HYGIENE MEASURES Wash hands with soap after handling.

OTHER CONTROLS If contact is unavoidable, wear all necessary protective gear.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| APPEARANCE (PHYSICAL STATE, COLOR etc.) | White or cream coloured with fiberglass felt, aluminum foil or coated glass mat facing. |
| ODOR | No odor. |
| ODOR THRESHOLD | Not applicable. |
| PH | No information available. |
| MELTING POINT/FREEZING POINT | No information available. |
| INITIAL BOILING POINT AND BOILING RANGE | Not applicable. |



SAFETY DATA SHEET 2511

IKOTHERM, IKOTHERM III, IKOTHERM COVERSHIELD, ENERFOIL, ENER-AIR,

| | |
|---|---------------------------|
| FLASH POINT | Not applicable. |
| EVAPORATION RATE | Not applicable. |
| FLAMMABILITY | Not flammable. |
| UPPER/LOWER FLAMMABILITY/EXPLOSIVE LIMITS | Not applicable. |
| VAPOR PRESSURE | Not applicable. |
| VAPOR DENSITY | No information available. |
| MOLECULAR WEIGHT | No information available. |
| SOLUBILITY(IES) | Insoluble. |
| PARTITION COEFFICIENT: N- OCTANOL/WATER | No information available. |
| AUTO-IGNITION TEMPERATURE | No information available. |
| SPECIFIC GRAVITY | No information available. |
| VISCOSITY | No information available. |

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY:

| | |
|---------------------------------------|---|
| CHEMICAL STABILITY | Stable at ambient temperatures. |
| POSSIBILITY OF HAZARDOUS REACTIONS | No information available. |
| CONDITIONS TO AVOID | Avoid sparks, flames or excessive heat. |
| INCOMPATIBLE MATERIALS | Acetone, methyl ethyl ketone, tetrahydrofuran, chlorine, chloroform, hydrogen peroxide, ethylene dichloride, dimethyl sulfoxide, and dimethyl formaldehyde. |
| HAZARDOUS DECOMPOSITION PRODUCTS | CO _x , smoke, some HCN possible under certain conditions. |

SECTION 11 – TOXICOLOGICAL INFORMATION

| | |
|------------------------|-------------|
| ACUTE/CHRONIC TOXICITY | None known. |
|------------------------|-------------|



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IKOTHERM, IKOTHERM III, IKOTHERM COVERSHIELD, ENERFOIL, ENER-AIR,

MEDICAL CONDITIONS
AGGRAVATED BY EXPOSURE No information available.

PRIMARY ROUTE OF
EXPOSURE Inhalation

HEALTH EFFECTS:

EYES Dust may cause mechanical eye irritation and redness.

SKIN Frequent or prolonged contact may cause skin irritation.

INHALATION Dust inhalation may cause respiratory irritation.

INGESTION Ingestion is unlikely. If ingested, may cause irritation of the digestive tract.

STOT (SPECIFIC TARGET
ORGAN TOXICITY)-
SINGLE EXPOSURE No information available.

STOT (SPECIFIC TARGET
ORGAN TOXICITY) –
REPEATED EXPOSURE No information available.

CARCINOGENICITY No information available

REPRODUCTIVE TOXICITY:

DEVELOPMENT
OF OFFSPRING No information available.

SEXUAL FUNCTION
AND FERTILITY No information available.

GERM CELL MUTAGENICITY No information available.

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY No information available.

PERSISTENCE &
DEGRADABILITY No information available.

BIODEGRADATION MOBILITY No information available.

BIOACCUMULATION
POTENTIAL No information available.

SECTION 13 – DISPOSAL CONSIDERATIONS



SAFETY DATA SHEET 2511

IKOTHERM, IKOTHERM III, IKOTHERM COVERSIELD, ENERFOIL, ENER-AIR,

DISPOSAL
RECOMMENDATIONS

Follow federal, provincial/state and municipal regulations.

SECTION 14 – TRANSPORT INFORMATION

No information available.

SECTION 15 - REGULATIONS

No information available.

SECTION 16 – OTHER INFORMATION

| | |
|-------------------------------|---|
| REVISION DATE OF SDS | April 21, 2021 |
| REPLACES THE MSDS/SDS FROM | -- |
| PREPARED BY | R&D department |
| GENERAL INFORMATION | 1-888-766-2468 |
| WEBSITE | www.iko.com |
| OTHER INFO/DISCLAMERS | Read this Safety Data Sheet before handling or disposing of this product. |

This product safety information is provided to help our customers with health, safety and/or environmental matters. We have taken reasonable effort to ensure that the test methods and sources for this data are correct and reliable, however, we give no warranty, expressed or implied, regarding its correctness. Since conditions or methods of handling and using this product are beyond our control, we do not assume responsibility and expressly disclaim liability for damages resulting from or connected with the handling, storage, use or disposal of the product.

NOTE: Under government regulations, an SDS is not required for this material; it is an end use product.



SAFETY DATA SHEET 2590

InnoviPrime TPO Pre-Wash

SECTION 1 – SUBSTANCE IDENTITY AND COMPANY CONTACT INFORMATION

| | |
|-----------------------|---|
| PRODUCT NAME | InnoviPrime TPO Pre-Wash |
| TRADE NAME | EPDM/TPO Cleaner |
| PRODUCT NUMBER | 6100004 |
| CHEMICAL FAMILY | Hydrocarbon |
| PRODUCT USE | EPDM/TPO cleaner |
| MANUFACTURER/SUPPLIER | IKO Industries Ltd. 160 IKO Way Hagerstown, MD 21740 United States |
| WEBSITE | www.iko.com |
| EMERGENCY NUMBER | CANUTEC: 1-613-996-6666 (24 hours information only) |

SECTION 2 – HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

SIGNAL WORD Danger

SYMBOL(S)



CLASSIFICATION Flammable Liquids – Category 2
Skin Irritation – Category 2
Aspiration Hazard – Category 1
Specific Target Organ Toxicity, Single Exposure; Narcotic Effects - Category 3

HAZARD STATEMENTS Highly flammable liquid and vapor. (H225)
Causes skin irritation. (H315)
May be fatal if swallowed and enters airways. (H304)
May cause drowsiness or dizziness. (H336)

PRECAUTIONARY STATEMENTS Do not handle until all safety precautions have been read and understood.
Store in a well-ventilated place. Keep containers tightly closed. Keep cool.
Keep away from heat/sparks/open flames/hot surfaces – No smoking. Ground/bond container and receiving equipment. Take precautionary measures against static discharge.
If SWALLOWED: Get medical advice/ attention. Immediately call a POISON CENTER or a doctor/physician.



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InnoviPrime TPO Pre-Wash

If INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
If on skin (or hair): remove/Take-off impiety all contaminated clothing. Rinse skin with water/shower.
Do NOT induce vomiting.

GHS Rating

Health: 2
Flammability: 3
Instability: 0

HMIS/NFPA

No information available.

SECTION 3 – CHEMICAL COMPOSITION AND DATA ON COMPONENTS

| CHEMICAL NAME | % (w/w) | CAS NUMBER |
|---------------|---------|------------|
| Toluene | 100 | 108-88-3 |

SECTION 4 – FIRST AID

| | |
|----------------------------|--|
| INHALATION | Remove to fresh air if overcome. If breathing has stopped begin cpr. Call a physician at once. |
| INGESTION | Do not induce vomiting. Call physician at once. |
| SKIN CONTACT | Wash with hand cleaner; follow with soap and water. |
| EYE CONTACT | Flush with water for 15 minutes. |
| ACUTE AND CHRONIC SYMPTOMS | Dry skin, dermatitis, de-fatting of the skin with chapping and cracking. Inebriation, followed by headache and nausea. Dizziness, convulsions and unconsciousness in severe cases. Anorexia and nervousness may persist for several months following acute overexposure. |
| MEDICAL ATTENTION | Note to physician: contains petroleum distillates. |

SECTION 5 – FIRE-FIGHTING MEASURES

| | |
|---------------------|---|
| EXTINGUISHING MEDIA | CO2, Foam , Dry Chemical |
| FIRE FIGHTING | Water spray may be ineffective but may be used to cool closed containers in water is used, use fog nozzles. Use class B extinguisher. |
| FLAMMABILITY | Extremely flammable. |
| PROPERTIES: | Extremely flammable. May form combustible or explosive mixtures with air. Closed containers may explode if exposed to extreme heat. |



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InnoviPrime TPO Pre-Wash

Vapors are heavier than air and may travel considerable distances to ignition sources and flash back.

FLASH POINT Tag closed cup: 39 °F

FLAMMABLE (LEL): 1.2
LIMITS IN AIR (UEL): 7

AUTO IGNITION 997 °F
TEMPERATURE

SPECIAL PPE FOR Nfpa class b extinguishers (co2, foam, dry chemical) and self-
FIRE-FIGHTERS contained breathing apparatus.

COMBUSTION PRODUCTS Smoke, normal combustion products.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE MEASURES AND EMERGENCY PROCEDURES

Wear protective gloves/protective clothing. Manufacturer/supplier or the competent authority to specify type of equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Dispose of contents/container to approved disposal facility. Avoid breathing dust/fume/gas/mist/vapors/spray

ENVIRONMENTAL PRECAUTIONS

This material is considered a hazardous waste for disposal purposes.

SPILL MANAGEMENT

Land spill: remove all sources of ignition, ventilate area and remove material with absorbents and/or non sparking tools.
Water spill: use absorbent booms to dike area and minimize area of contamination.

SECTION 7 - HANDLING AND STORAGE

HANDLING PROCEDURE

Keep material away from heat, spark and open flame. Use with adequate ventilation. Static accumulator: this may form an ignitable vapor/air mixture in closed tanks or containers. Containers should be grounded when pouring. Avoid free fall of liquids. Do not cut, braze or weld.

STORAGE PRECAUTIONS

Do not store in open or unlabeled containers. Do not store above 120 °F. Store between 0-50 °C. Ambient Storage temperature. Atmospheric storage pressure



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InnoviPrime TPO Pre-Wash

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

| OCCUPATIONAL EXPOSURE LIMITS | | |
|------------------------------|-----------------|----------------|
| CHEMICAL NAME | OSHA | ACGIH |
| Toluene | PEL TWA 200 ppm | TLV TWA 20 ppm |

ENGINEERING MEASURES Local exhaust: Preferable mechanical exhaust: Acceptable-use only class I Group D approved devices.

PERSONAL PROTECTIVE EQUIPMENT: Wear protective gloves/protective clothing

RESPIRATORY PROTECTION Ventilate to keep vapors below threshold limit values. Niosh approved respirators for areas of concentrated vapors.
SKIN AND BODY PROTECTION Gloves must be impervious to solvents.
Wear protective clothing.

EYE PROTECTION Splash goggles for liquid products.

HYGIENE MEASURES No information available.

OTHER CONTROLS No information available.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE (PHYSICAL STATE, COLOR etc.) Colorless liquid.

ODOR Characteristic hydrocarbon solvent.

ODOR THRESHOLD No information available.

PH Not applicable.

MELTING POINT/FREEZING POINT -139 °F

INITIAL BOILING POINT AND BOILING RANGE 228-231 °F

FLASH POINT 39°F (Tag closed cup)

EVAPORATION RATE 1.9 (nBuAc=1)

FLAMMABILITY Rated 3 on GHS rating

UPPER/LOWER FLAMMABILITY/EXPLOSIVE LIMITS (LEL): 1.2
(UEL): 7



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InnoviPrime TPO Pre-Wash

| | |
|--|---------------------------------|
| VAPOR PRESSURE | 24mmhg (vapor pressure at 20°C) |
| VAPOR DENSITY | AP 3 (air=1) |
| RELATIVE DENSITY | 7.25 (in lbs) |
| MOLECULAR WEIGHT | no information available |
| SOLUBILITY(IES) | NIL |
| PARTITION COEFFICIENT: N-OCTANOL/WATER | No information available |
| AUTO-IGNITION TEMPERATURE | 997°F |
| SPECIFIC GRAVITY | 0.869 |
| VISCOSITY | No information available |

SECTION 10 – STABILITY AND REACTIVITY

| | |
|------------------------------------|---|
| REACTIVITY: | This product is stable and hazardous polymerization will not occur. |
| CHEMICAL STABILITY | This product is stable. |
| POSSIBILITY OF HAZARDOUS REACTIONS | No information available. |
| CONDITIONS TO AVOID | Avoid all sources of ignition |
| INCOMPATIBLE MATERIALS | Avoid strong oxidizing agents. Vapors are heavier than air and may travel a considerable distance to an ignition source and flashback. |
| HAZARDOUS DECOMPOSITION PRODUCTS | None. |

SECTION 11 – TOXICOLOGICAL INFORMATION

| | |
|---|---------------------------------|
| ACUTE/CHRONIC TOXICITY | No information available. |
| MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE | No information available. |
| PRIMARY ROUTE OF EXPOSURE | Skin adsorption and inhalation. |
| HEALTH EFFECTS: | |
| EYES | No information available. |



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InnoviPrime TPO Pre-Wash

| | |
|---|---|
| SKIN | Dry skin, dermatitis, de-fatting of the skin with chapping and cracking. |
| INHALATION | Inebriation, followed by headache and nausea. Dizziness, convulsions and unconsciousness in severe cases. Anorexia and nervousness may persist for several months following acute overexposure. |
| INGESTION | No information available. |
| STOT (SPECIFIC TARGET ORGAN TOXICITY)- SINGLE EXPOSURE | No information available |
| STOT (SPECIFIC TARGET ORGAN TOXICITY) – REPEATED EXPOSURE | No information available |
| CARCINOGENICITY | Not identified as a carcinogen by NTP, IARC or OSHA |
| REPRODUCTIVE TOXICITY: | |
| DEVELOPMENT OF OFFSPRING | No information available |
| SEXUAL FUNCTION AND FERTILITY | No information available |
| GERM CELL MUTAGENICITY | No information available |

SECTION 12 – ECOLOGICAL INFORMATION

| | |
|-----------------------------|---------------------------|
| ECOTOXICITY | No information available. |
| PERSISTENCE & DEGRADABILITY | No information available. |
| BIODEGRADATION MOBILITY | No information available. |
| BIOACCUMULATION POTENTIAL | No information available. |

SECTION 13 – DISPOSAL CONSIDERATIONS

| | |
|--------------------------|---|
| DISPOSAL RECOMMENDATIONS | This material is considered a hazardous waste for disposal purposes. Hazardous wastes may not be landfilled! Refer to 40 CFR part 261 subpart for definitions of hazardous waste and 40 CFR part 261.7 for information regarding disposal of hazardous waste. |
|--------------------------|---|



SAFETY DATA SHEET 2590

InnoviPrime TPO Pre-Wash

SECTION 14 – TRANSPORT INFORMATION

| | |
|---|---|
| UN-NUMBER: DOT ADN, IMDG, IATA | UN1133 |
| UN PROPER SHIPPING NAME: DOT ADN, IMDG, IATA | DOT Shipping description: UN1133, Adhesives, 3, PGII IMDG shipping description: UN1133, Adhesives, 3, PGII IATA proper shipping name: Adhesives |
| TRANSPORT HAZARD CLASS(ES): DOT ADN, IMDG, IATA CLASS | Hazard class: 3 Flammable liquid |
| PACKING GROUP: DOT IMDG, IATA | PGII |
| ENVIRONMENTAL HAZARD | No information available. |
| SPECIAL PRECAUTIONS FOR USERS | No information available. |
| TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE | Not applicable (packaging non-bulk). |
| TRANSPORT/ADDITIONAL INFORMATION | No further information available. |
| UN "MODEL REGULATION" | No information available. |

SECTION 15 - REGULATIONS

| | | |
|-----------------------|--|---------|
| SARA TITLE III | Section 302: extremely hazardous substances 311/312: 311-yes 312-yes Section 313: Contains 100 % | SECTION |
| TSCA STATUS | All materials contained in this product are TSCA listed | |
| CANADIAN STATUS | All materials contained in this product are listed on the Canadian Domestic Substances List | |
| EUROPEAN UNION STATUS | All materials contained in this product are listed on EINECS | |



SAFETY DATA SHEET 2590

InnoviPrime TPO Pre-Wash

SECTION 16 – OTHER INFORMATION

| | |
|----------------------------|---|
| REVISION DATE OF SDS | January 27, 2021 |
| REPLACES THE MSDS/SDS FROM | (new) |
| PREPARED BY | HSE department |
| GENERAL INFORMATION | 1-888-766-2468 |
| WEBSITE | www.iko.com |
| OTHER INFO/DISCLAMERS | Read this Safety Data Sheet before handling or disposing of this product. |

This product safety information is provided to help our customers with health, safety and/or environmental matters. We have taken reasonable effort to ensure that the test methods and sources for this data are correct and reliable, however, we give no warranty, expressed or implied, regarding its correctness. Since conditions or methods of handling and using this product are beyond our control, we do not assume responsibility and expressly disclaim liability for damages resulting from or connected with the handling, storage, use or disposal of the product.



SAFETY DATA SHEET 2596

InnoviPrime TPO Primer

SECTION 1 – SUBSTANCE IDENTITY AND COMPANY CONTACT INFORMATION

| | |
|-----------------------|---|
| PRODUCT NAME | InnoviPrime TPO Primer |
| TRADE NAME | |
| PRODUCT NUMBER | 6100012 |
| CHEMICAL FAMILY | No information available. |
| PRODUCT USE | Primer |
| MANUFACTURER/SUPPLIER | IKO Industries Ltd. 160 IKO Way Hagerstown, MD 21740 United States |
| WEBSITE | www.iko.com |
| EMERGENCY NUMBER | CANUTEC: 1-613-996-6666 (24 hours information only) |

SECTION 2 – HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

SIGNAL WORD Danger

SYMBOL(S)



CLASSIFICATION

Flammable Liquids – Category 2
Aspiration Hazard – Category 1
Skin Irritation – Category 2
Reproductive Toxicity – Category 2
Specific Target Organ Toxicity, Repeated Exposure – Category 2
Specific Target Organ Toxicity, Single Exposure – Category 3

HAZARD STATEMENTS

Highly flammable liquid and vapor.
Causes skin irritation.
Suspected of damaging fertility or the unborn child.
May cause drowsiness or dizziness.
May cause damage to organs through prolonged or repeated exposure.
May be fatal if swallowed and enters airways.

PRECAUTIONARY
STATEMENTS

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. -
No smoking.
Ground/bond container and receiving equipment.



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InnoviPrime TPO Primer

Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
If swallowed: Immediately call a poison center/doctor.
Specific treatment (see on this label).
Do NOT induce vomiting.
If on skin (or hair): Take off immediately all contaminated clothing.
Rinse skin with water/shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF exposed or concerned: Get medical advice/attention.
Call a poison center/doctor if you feel unwell.
Get medical advice/attention if you feel unwell.
Take off contaminated clothing and wash it before reuse.
If skin irritation occurs: Get medical advice/attention.
In case of fire: Use for extinction: CO₂, powder or water spray.
Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool. Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

NFPA

Health: 2
Flammability: 3
Reactivity: 0

HMIS

Health: 2
Flammability: 3
Physical Hazards: 0

SECTION 3 – CHEMICAL COMPOSITION AND DATA ON COMPONENTS

| CHEMICAL NAME | % (w/w) | CAS NUMBER |
|---|---------|---------------------------|
| Solvent naphtha (petroleum), light aliph.(VM&P) | 50-100% | 64742-89-8 |
| toluene | 25-50% | 108-88-3 |
| Isobutylene Copolymer | 2.5-10% | Information not available |
| (1,1,3,3-tetramethylbutyl)phenol | ≤2.5% | 27193-28-8 |
| xylene | ≤0.5% | 1330-20-7 |

SECTION 4 – FIRST AID

INHALATION

In case of unconsciousness place patient stably in side position for transportation. Call a doctor immediately. Overexposure, remove to fresh air and seek medical attention.



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InnoviPrime TPO Primer

| | |
|----------------------------|--|
| INGESTION | Rinse out mouth with water. Drink 1 - 2 glasses of water but DO NOT induce vomiting. Do not give liquids to a drowsy, convulsing or unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Call a doctor immediately. Seek medical treatment. |
| SKIN CONTACT | Wipe excess from skin. Immediately wash with water and soap and rinse thoroughly. |
| EYE CONTACT | Rinse opened eye for 20 minutes under running water. Call a Doctor immediately. |
| ACUTE AND CHRONIC SYMPTOMS | No further relevant information available. |
| MEDICAL ATTENTION | No further relevant information available. |

SECTION 5 – FIRE-FIGHTING MEASURES

| | |
|---------------------------|---|
| EXTINGUISHING MEDIA | CO2, Sand, Extinguishing powder. Do not use water. Unsuitable extinguishing agents: Water and water with full jet |
| ADVICE FOR FIRE FIGHTING | Protective equipment: Protective clothing and respiratory protective device. |
| FLAMMABILITY | Flammable |
| PROPERTIES | Form: Liquid Color: Clear Odor: Solvent-like Odor threshold: Not determined |
| FLASH POINT | 7.8 °C (46 °F) |
| FLAMMABLE LIMITS IN AIR | No information available |
| AUTO IGNITION TEMPERATURE | Product is not selfigniting. |

SECTION 6 – ACCIDENTAL RELEASE MEASURES

| | |
|--|---|
| PERSONAL PRECAUTIONS, PROTECTIVE MEASURES AND EMERGENCY PROCEDURES | Ensure adequate ventilation Wear protective equipment. Keep unprotected persons away |
|--|---|



SAFETY DATA SHEET 2596

InnoviPrime TPO Primer

Protective Action Criteria for Chemicals

PAC-1:

| | | |
|-------------|-------------------------|----------------------|
| 108-88-3 | <i>toluene</i> | 67 ppm |
| 112945-53-5 | <i>Amorphous Silica</i> | 18 mg/m ³ |
| 1330-20-7 | <i>xylene</i> | 130 ppm |

PAC-2:

| | | |
|-------------|-------------------------|-----------------------|
| 108-88-3 | <i>toluene</i> | 560 ppm |
| 112945-53-5 | <i>Amorphous Silica</i> | 100 mg/m ³ |
| 1330-20-7 | <i>xylene</i> | 920* ppm |

PAC-3:

| | | |
|-------------|-------------------------|-----------------------|
| 108-88-3 | <i>toluene</i> | 3700* ppm |
| 112945-53-5 | <i>Amorphous Silica</i> | 630 mg/m ³ |
| 1330-20-7 | <i>xylene</i> | 2500* ppm |

ENVIRONMENTAL PRECAUTIONS

Do not allow product to reach sewage system or any water course. Prevent seepage into sewage system, workpits and cellars. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

SPILL MANAGEMENT

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste in accordance with federal state and local regulations. Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents

REFERENCE TO OTHER SECTIONS

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information

SECTION 7 - HANDLING AND STORAGE

HANDLING PROCEDURE

Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Wash thoroughly after handling.

HANDLING PROCEDURES CONTINUED

Open containers in a well ventilated area and avoid breathing headspace vapors. Open and handle receptacle with care. Prevent formation of aerosols.

STORAGE PRECAUTIONS

Requirements to be met by storerooms and receptacles: Store in a cool location away from direct heat. (0-50C) (Metal Can, no water)

Information about storage in one common storage facility: Store away from oxidizing agents.

Further information about storage conditions: Keep receptacle tightly sealed. Store in cool, dry conditions in well sealed receptacles.



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InnoviPrime TPO Primer

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

Components with limit values that require monitoring at the workplace: The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

| CHEMICAL NAME | EXPOSURE LIMITS | | | |
|-------------------------|--|---|---|---|
| | PEL | REL | TLV | Biological Limit |
| <i>108-88-3 toluene</i> | Long-term value: 200 ppm Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift | Short-term value: 560 mg/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm | Long-term value: 75 mg/m ³ , 20 ppm BEI | 0.02 mg/L Medium: blood Time: prior to last shift of workweek Parameter: Toluene 0.03 mg/L Medium: urine Time: end of shift Parameter: Toluene 0.3 mg/g creatinine Medium: urine Time: end of shift Parameter: o-Cresol with hydrolysis (background) |
| <i>1330-20-7 xylene</i> | Long-term value: 435 mg/m ³ , 100 ppm | Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm | Short-term value: 651 mg/m ³ , 150 ppm Long-term value: 434 mg/m ³ , 100 ppm BEI | 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids |

NOTE: List of abbreviations can be found at the bottom of this document.

ENGINEERING MEASURES

No further information available.

PERSONAL PROTECTIVE EQUIPMENT

See listings below

RESPIRATORY PROTECTION

Use approved respiratory protection equipment when airborne exposure is excessive. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacturer.

BODY PROTECTION

Protective work clothing

EYE PROTECTION

Safety glasses with side shields.

HYGIENE MEASURES

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with the eyes and skin.



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InnoviPrime TPO Primer

OTHER CONTROLS

Protection of hands: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and must be observed.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|--------------------------------------|
| APPEARANCE (PHYSICAL STATE, COLOR etc.) | Form: Liquid Color: Clear |
| ODOR | Solvent-like |
| ODOR THRESHOLD | Not determined |
| PH | Not determined. |
| MELTING POINT/FREEZING POINT | Melting point: Undetermined. |
| INITIAL BOILING POINT AND BOILING RANGE | Boiling point: 85 °C (185 °F) |
| FLASH POINT | 7.8 °C (46 °F) |
| EVAPORATION RATE | Not determined. |
| FLAMMABILITY | Flammable. |
| UPPER/LOWER FLAMMABILITY/EXPLOSIVE LIMITS | Lower: 1.2 Vol % Upper: 7.0 Vol % |
| VAPOR PRESSURE 20 °C (68 °F) | 29 hPa (21.8 mm Hg) |
| VAPOR DENSITY | Not determined. |
| RELATIVE DENSITY | Not determined. |



SAFETY DATA SHEET 2596

InnoviPrime TPO Primer

| | |
|--|--|
| MOLECULAR WEIGHT | No information available |
| SOLUBILITY(IES) | Not miscible or difficult to mix. |
| PARTITION COEFFICIENT: N-OCTANOL/WATER | Not determined. |
| AUTO-IGNITION TEMPERATURE | Product is not selfigniting. |
| SPECIFIC GRAVITY 20 °C (68 °F) | 0.8 g/cm ³ (6.676 lbs/gal) |
| VISCOSITY | Dynamic: Not determined. Kinematic: Not determined. |
| SOLVENT CONTENT | Organic solvents: 82.5 % |
| SOLIDS CONTENT | 15.0% |
| OTHER INFORMATION | Weight per Gallon = 6.6 lbs/gal, VOC <690 g/L |

SECTION 10 – STABILITY AND REACTIVITY

| | |
|------------------------------------|---|
| REACTIVITY | No further relevant information available. |
| CHEMICAL STABILITY | |
| POSSIBILITY OF HAZARDOUS REACTIONS | No dangerous reactions known. |
| CONDITIONS TO AVOID | Heat, flames, sparks. |
| INCOMPATIBLE MATERIALS | Reacts with strong oxidizing agents. |
| HAZARDOUS DECOMPOSITION PRODUCTS | Carbon monoxide and carbon dioxide Hydrocarbons |

SECTION 11 – TOXICOLOGICAL INFORMATION

| | |
|------------------------|--|
| ACUTE/CHRONIC TOXICITY | LD/LC50 values that are relevant for classification: |
|------------------------|--|

108-88-3 toluene

| | | |
|------------|----------|-----------------------|
| Oral | LD50 | 5,000 mg/kg (rat) |
| Dermal | LD50 | 12,124 mg/kg (rabbit) |
| Inhalative | LC50/4 h | 5,320 mg/l (mouse) |

| | |
|--------------------|----------------------------------|
| MEDICAL CONDITIONS | No further information available |
|--------------------|----------------------------------|



SAFETY DATA SHEET 2596

InnoviPrime TPO Primer

AGGRAVATED BY EXPOSURE

PRIMARY ROUTE OF EXPOSURE

No further information available

EYES

Vapors may be irritating to the eyes.

SKIN

Irritant to skin and mucous membranes.

INHALATION

No further information available

INGESTION

No further information available

STOT (SPECIFIC TARGET ORGAN TOXICITY)- SINGLE EXPOSURE

May cause drowsiness or dizziness.

STOT (SPECIFIC TARGET ORGAN TOXICITY) – REPEATED EXPOSURE

May cause damage to organs through prolonged or repeated exposure.

CARCINOGENICITY

IARC (International Agency for Research on Cancer)

| | | |
|-----------|------------------------|----------------|
| 108-88-3 | <i>toluene</i> | <i>Group 3</i> |
| 1330-30-7 | <i>xylene</i> | <i>Group 3</i> |
| 102-71-6 | <i>Triethanolamine</i> | <i>Group 3</i> |

NTP (National Toxicology Program)

None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

REPRODUCTIVE TOXICITY

This product may cause reproductive harm.

DEVELOPMENT OF OFFSPRING

The product can cause inheritable damage.
Chemicals known to cause developmental toxicity:
108-88-3 *toluene*

SEXUAL FUNCTION AND FERTILITY

Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.

SECTION 12 – ECOLOGICAL INFORMATION

AQUATIC TOXICITY

Expected to be harmful to aquatic organisms.

PERSISTENCE & DEGRADABILITY

No further relevant information available.



SAFETY DATA SHEET 2596

InnoviPrime TPO Primer

| | |
|------------------------------|--|
| BIODEGRADATION MOBILITY | No further relevant information available. |
| BIOACCUMULATION POTENTIAL | No further relevant information available. |
| MOBILITY IN SOILS | No further relevant information available. |
| GENERAL NOTES | <p>At present there are no ecotoxicological assessments.</p> <p>Water hazard class 2 (Self-assessment): hazardous for water. Do not allow product to reach ground water, water course or sewage system.</p> <p>Danger to drinking water if even small quantities leak into the ground.</p> |

SECTION 13 – DISPOSAL CONSIDERATIONS

| | |
|-----------------------------|---|
| DISPOSAL RECOMMENDATIONS | <p>Waste treatment methods: Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Must be specially treated adhering to official regulations. Disposal must be made according to official regulations.</p> <p>Uncleaned packagings: Disposal must be made according to official regulations</p> |
|-----------------------------|---|

SECTION 14 – TRANSPORT INFORMATION

| | |
|----------------------------------|--|
| UN-NUMBER: | UN1133 |
| DOT | |
| ADN, IMDG, IATA | |
| UN PROPER SHIPPING NAME: | |
| DOT | DOT: Adhesives |
| ADN, IMDG, IATA | IMDG, IATA: ADHESIVES, mixture |
| TRANSPORT HAZARD CLASS(ES): | |
| DOT | DOT: Class 3 Flammable liquids · Label 3 |
| ADN, IMDG, IATA CLASS | IMDG, IATA: Class 3 Flammable liquids · Label 3 |
| PACKING GROUP: | PGII |
| DOT | |
| IMDG, IATA | |
| ENVIRONMENTAL HAZARD | Marking: symbol (fish and tree) |
| SPECIAL PRECAUTIONS FOR USERS | <p>Warning: Flammable liquids ·</p> <p>Danger code (Kemler): 33</p> <p>EMS Number: F-E,S-D</p> |
| TRANSPORT IN BULK | Not applicable. |



SAFETY DATA SHEET 2596

InnoviPrime TPO Primer

ACCORDING TO ANNEX II
OF MARPOL 73/78 AND THE
IBC CODE

TRANSPORT/ADDITIONAL INFORMATION Not applicable.

UN "MODEL REGULATION" UN1133, Adhesives, mixture, 3, II

SECTION 15 - REGULATIONS

Section 355 (extremely hazardous substances):
None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):
108-88-3 toluene
1330-20-7 xylene

TSCA (Toxic Substances Control Act):
All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

Proposition 65:

Chemicals known to cause cancer:
None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.

Chemicals known to cause developmental toxicity:
108-88-3 toluene

(DSL) Canada Domestic Substance List:
All components of this product are on the DSL(Canada Domestic Substance list) or are exempt from DSL requirements.

New Jersey Right-to-Know List:

108-88-3 toluene
1330-20-7 xylene

New Jersey Special Hazardous Substance List:

108-88-3 toluene TE, F3
1330-20-7 xylene F3

Pennsylvania Right-to-Know List:

108-88-3 toluene
1330-20-7 xylene

Pennsylvania Special Hazardous Substance List:
108-88-3 toluene E



SAFETY DATA SHEET 2596

InnoviPrime TPO Primer

1330-20-7 xylene E

Carcinogenicity categories · EPA (Environmental Protection Agency):

108-88-3 toluene II

1330-20-7 xylene I

TLV (Threshold Limit Value established by ACGIH):

108-88-3 toluene A4

1330-20-7 xylene A4

MAK (German Maximum Workplace Concentration):

None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health):

None of the ingredients is listed.

National regulations:

Information about limitation of use: Use by properly trained workers recommended

Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16 – OTHER INFORMATION

REVISION DATE OF SDS January 27, 2021

REPLACES THE MSDS/SDS FROM (new)

PREPARED BY HSE department

GENERAL INFORMATION 1-888-766-2468

WEBSITE www.iko.com

OTHER INFO/DISCLAIMERS Read this Safety Data Sheet before handling or disposing of this product.

This product safety information is provided to help our customers with health, safety and/or environmental matters. We have taken reasonable effort to ensure that the test methods and sources for this data are correct and reliable, however, we give no warranty, expressed or implied, regarding its correctness. Since conditions or methods of handling and using this product are beyond our control, we do not assume responsibility and expressly disclaim liability for damages resulting from or connected with the handling, storage, use or disposal of the product.

SAFETY DATA SHEET 25107

InnoviFlash Seam Tape

SECTION 1 – SUBSTANCE IDENTITY AND COMPANY CONTACT INFORMATION

| | |
|-----------------------|---|
| PRODUCT NAME | InnoviFlash TPO Seam Tape |
| TRADE NAME | InnoviFlash 3.0" Seam Tape Clr, InnoviFlash 6.0" Seam Tape Clr |
| PRODUCT NUMBER | 6209001, 6209002 |
| CHEMICAL FAMILY | Pressure sensitive sealant tape |
| PRODUCT USE | Roofing Tape |
| MANUFACTURER/SUPPLIER | H. B. Fuller Company 1200 Willow Lake Boulevard Vadnais Heights, MN 55110 |
| WEBSITE | Medical Emergency Phone Number (24 Hours): 1-888-853-1758 www.iko.com |
| EMERGENCY NUMBER | CANUTEC: 1-613-996-6666 (24 hours information only) |

SECTION 2 – HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

| | |
|--------------------------|---|
| SIGNAL WORD | None Required |
| SYMBOL(S) | None Required |
| CLASSIFICATION | The product does not meet the criteria for classification as hazardous under the GHS and 29 CFR 1910.1200 |
| HAZARD STATEMENTS | None Required. |
| PRECAUTIONARY STATEMENTS | None Required |
| NFPA | Health: 0 Flammability: 0 Reactivity: 0 |
| HMIS | Health: 0 Flammability: 0 Physical Hazards: 0 |

SECTION 3 – CHEMICAL COMPOSITION AND DATA ON COMPONENTS

Chemical characterization: Mixtures

Description: Article

Hazardous components: No reportable components

SAFETY DATA SHEET 25107

InnoviFlash Seam Tape

Additional information:

All concentrations are in percent by weight unless the ingredient is a gas. Gas concentrations are in percent by volume. Any pigments or fillers in this product which may be considered "Hazardous" are potentially hazardous only if inhaled as an airborne dust. Exposure by these ingredients as used in sealants, putties, bedding compounds and non-sprayable products is highly unlikely. For the wording of the listed risk phrases refer to **section 15**.

SECTION 4 – FIRST AID

| | |
|----------------------------|--|
| INHALATION | Overexposure, remove to fresh air and seek medical attention. |
| INGESTION | Seek medical treatment. |
| SKIN CONTACT | Immediately wash with water and soap and rinse thoroughly. |
| EYE CONTACT | Rinse opened eye for several minutes under running water. Then consult a doctor. |
| ACUTE AND CHRONIC SYMPTOMS | No further relevant information available |
| MEDICAL ATTENTION | No further relevant information available. |

SECTION 5 – FIRE-FIGHTING MEASURES

| | |
|-------------------------------|--|
| EXTINGUISHING MEDIA | Suitable extinguishing agents: CO2, extinguishing powder or water spray. Fight larger fires with water spray. Use fire fighting measures that suit the environment |
| ADVICE FOR FIRE FIGHTING | Protective equipment: No special measures required. |
| HAZARDOUS COMBUSTION PRODUCTS | No further relevant information available |
| FLAMMABILITY | Not applicable |
| PROPERTIES: | |
| FLASH POINT | Not applicable |
| FLAMMABLE LIMITS IN AIR | Not determined |
| AUTO IGNITION TEMPERATURE | Product is not selfigniting. |
| SPECIAL PPE FOR FIRE-FIGHTERS | Protective equipment: No special measures required. |

SECTION 6 – ACCIDENTAL RELEASE MEASURES

SAFETY DATA SHEET 25107

InnoviFlash Seam Tape

PERSONAL PRECAUTIONS, PROTECTIVE MEASURES AND EMERGENCY PROCEDURES

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation

ENVIRONMENTAL PRECAUTIONS

Do not allow to enter sewers/ surface or ground water.

SPILL MANAGEMENT

Dispose of contaminated material as waste in accordance with federal state and local regulations.

· Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

PROTECTIVE ACTION CRITERIA FOR CHEMICALS

Not applicable Not applicable

SECTION 7 - HANDLING AND STORAGE

HANDLING PROCEDURE

Avoid prolonged or repeated contact with skin.

Avoid contact with eyes.

Wash thoroughly after handling.

Information about protection against explosions and fires: No special measures required.

STORAGE PRECAUTIONS

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Store away from oxidizing agents.

Further information about storage conditions: None.

Specific end use(s) No further relevant information available.

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

ENGINEERING MEASURES

Additional information about design of technical systems: No further data; see item 7.

Control parameters:

Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists that were valid during the creation were used as basis.

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION

Not necessary if room is well-ventilated.

Use approved respiratory protection equipment when airborne exposure is excessive. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacturer.

SKIN AND BODY PROTECTION

Protective gloves: Not required.

· Material of gloves: Protective gloves are not required in most applications. However, protect your hands from extreme

SAFETY DATA SHEET 25107

InnoviFlash Seam Tape

| | |
|------------------|---|
| | temperatures. |
| EYE PROTECTION | Body protection: Protective work clothing |
| HYGIENE MEASURES | Safety glasses with side shields. |
| | The usual precautionary measures for handling chemicals should be followed. |
| OTHER CONTROLS | No information available. |

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|------------------------------|
| APPEARANCE (PHYSICAL STATE, COLOR etc.) | Form: Solid |
| ODOR | Color: White |
| | Characteristic |
| ODOR THRESHOLD | Not determined |
| PH | Not applicable. |
| MELTING POINT/FREEZING POINT | Undetermined |
| INITIAL BOILING POINT AND BOILING RANGE | No information available. |
| FLASH POINT | Not applicable. |
| EVAPORATION RATE | No information available. |
| FLAMMABILITY | Not determined |
| UPPER/LOWER FLAMMABILITY/EXPLOSIVE LIMITS | Lower: Not determined |
| | Upper: Not determined |
| VAPOR PRESSURE | Not applicable. |
| VAPOR DENSITY | Not applicable. |
| RELATIVE DENSITY | Not applicable. |
| MOLECULAR WEIGHT | No information available. |
| SOLUBILITY IN/MISCIBILITY WITH WATER: | Insoluble |
| PARTITION COEFFICIENT: N-OCTANOL/WATER | Not determined |
| AUTO-IGNITION TEMPERATURE | Product is not selfigniting. |
| SPECIFIC GRAVITY | No information available. |
| VISCOSITY | Dynamic: Not applicable. |
| | Kinematic: Not applicable. |

SAFETY DATA SHEET 25107

InnoviFlash Seam Tape

| | |
|-------------------|--|
| SOLVENT CONTENT | Organic solvents: 0 % |
| SOLID CONTENT | 100% |
| OTHER INFORMATION | No further relevant information available. |

SECTION 10 – STABILITY AND REACTIVITY

| | |
|---------------------------------------|---|
| REACTIVITY: | No information available. |
| CHEMICAL STABILITY | Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications. |
| POSSIBILITY OF HAZARDOUS REACTIONS | No dangerous reactions known. |
| CONDITIONS TO AVOID | Heat, flames, sparks, hot surfaces, ignition sources. |
| INCOMPATIBLE MATERIALS | Reacts with oxidizing agents. |
| HAZARDOUS DECOMPOSITION PRODUCTS | Carbon monoxide and carbon dioxide |

SECTION 11 – TOXICOLOGICAL INFORMATION

| | |
|---|--|
| ACUTE/CHRONIC TOXICITY | Irritating |
| MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE | No information available. |
| PRIMARY ROUTE OF EXPOSURE | Skin or eyes. |
| HEALTH EFFECTS: | |
| EYES | May irritate the skin. |
| SKIN | May irritate the eye. |
| INHALATION | No information available. |
| INGESTION | No information available. |
| STOT (SPECIFIC TARGET ORGAN TOXICITY)- SINGLE EXPOSURE | No information available. |
| STOT (SPECIFIC TARGET ORGAN TOXICITY) – REPEATED EXPOSURE | No information available. |
| CARCINOGENICITY | · IARC (International Agency for Research on Cancer) |

SAFETY DATA SHEET 25107

InnoviFlash Seam Tape

- None of the ingredients is listed.
- NTP (National Toxicology Program)
None of the ingredients is listed.
- OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

REPRODUCTIVE TOXICITY:

DEVELOPMENT OF OFFSPRING No information available

SEXUAL FUNCTION AND FERTILITY No information available

GERM CELL MUTAGENICITY No information available

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY Aquatic toxicity: No further relevant information available.

PERSISTENCE & DEGRADABILITY No further relevant information available.

BIODEGRADATION MOBILITY Mobility in soil No further relevant information available.

BIOACCUMULATION No further relevant information available.

POTENTIAL GENERAL NOTES

- At present there are no ecotoxicological assessments.
Water hazard class 1 (Self-assessment): slightly hazardous for water
- Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
 - Other adverse effects No further relevant information available

SECTION 13 – DISPOSAL CONSIDERATIONS

- DISPOSAL RECOMMENDATIONS
- Waste treatment methods
 - Recommendation:
Small amounts can be disposed of with household waste.
Disposal must be made according to official regulations.
 - Uncleaned packagings:
 - Recommendation: Disposal must be made according to official regulations.

SECTION 14 – TRANSPORT INFORMATION

UN-NUMBER
DOT, ADN, IMDG, IATA : Not regulated

SAFETY DATA SHEET 25107

InnoviFlash Seam Tape

| | |
|--|--------------------------|
| UN PROPER SHIPPING NAME | Not regulated |
| DOT: | |
| ADN, IMDG, IATA | |
| TRANSPORT HAZARD CLASS(ES): | Not regulated |
| DOT, IMDG, IATA | |
| AND/R CLAS: | |
| PACKING GROUP | Not regulated |
| DOT, IMDG, IATA: | |
| ENVIRONMENTAL HAZARD | Not applicable |
| SPECIAL PRECAUTIONS FOR USERS | Not applicable |
| EMS NUMBER: | Not applicable |
| TRANSPORT IN BULK | Not applicable. |
| ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE | |
| TRANSPORT/ADDITIONAL INFORMATION | No information available |
| UN "MODEL REGULATION" | Not regulated |

SECTION 15 - REGULATIONS

Safety, health and environmental regulations/legislation specific for the substance or mixture

- **Sara**
 - **Section 355 (extremely hazardous substances):**
None of the ingredients is listed.
 - **Section 313 (Specific toxic chemical listings):**
None of the ingredients is listed.
 - **TSCA (Toxic Substances Control Act):**
None of the ingredients is listed.
- **Proposition 65**
Please contact H.B. Fuller for more information regarding Proposition 65 on this product:
reg.request@hbfuller.com
- **(DSL) Canada Domestic Substance List**
All components of this product are on the DSL(Canada Domestic Substance list) or are exempt from DSL requirements.
- **Carcinogenicity categories**
 - **EPA (Environmental Protection Agency)**
None of the ingredients is listed.
 - **TLV (Threshold Limit Value established by ACGIH)**
None of the ingredients is listed.
 - **MAK (German Maximum Workplace Concentration)**

SAFETY DATA SHEET 25107

InnoviFlash Seam Tape

None of the ingredients is listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**
None of the ingredients is listed.

- **National regulations:**

- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out

SECTION 16 – OTHER INFORMATION

REVISION DATE OF SDS November 17, 2021

REPLACES THE MSDS/SDS FROM (new)

PREPARED BY Research Department

GENERAL INFORMATION 1-888-766-2468

WEBSITE www.iko.com

OTHER INFO/DISCLAMERS Read this Safety Data Sheet before handling or disposing of this product.

This product safety information is provided to help our customers with health, safety and/or environmental matters. We have taken reasonable effort to ensure that the test methods and sources for this data are correct and reliable, however, we give no warranty, expressed or implied, regarding its correctness. Since conditions or methods of handling and using this product are beyond our control, we do not assume responsibility and expressly disclaim liability for damages resulting from or connected with the handling, storage, use or disposal of the product.



SAFETY DATA SHEET 2592

InnoviSeal Universal Sealer Part A

SECTION 1 – SUBSTANCE IDENTITY AND COMPANY CONTACT INFORMATION

| | |
|-----------------------|---|
| PRODUCT NAME | InnoviSeal Universal Sealer Part A |
| TRADE NAME | |
| PRODUCT NUMBER | 6100007 |
| CHEMICAL FAMILY | No information available. |
| PRODUCT USE | Adhesive/Sealant |
| MANUFACTURER/SUPPLIER | IKO Industries Ltd. 160 IKO Way Hagerstown, MD 21740 United States |
| WEBSITE | www.iko.com |
| EMERGENCY NUMBER | CANUTEC: 1-613-996-6666 (24 hours information only) |

SECTION 2 – HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

SIGNAL WORD Danger

SYMBOL(S)



CLASSIFICATION

Respiratory Sensitization – Category 1
Carcinogenicity – Category 2
Specific Target Organ Toxicity, Repeated Exposure – Category 2
Acute Toxicity – Category 4
Skin Irritation – Category 2
Eye Irritation – Category 2A
Skin Sensitization – Category 1
Specific Target Organ Toxicity, Single Exposure – Category 3

HAZARD STATEMENTS

Harmful if inhaled.
Causes skin irritation.
Causes serious eye irritation.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
Suspected of causing cancer.
May cause respiratory irritation.
May cause damage to organs through prolonged or repeated exposure.



SAFETY DATA SHEET 2592

InnoviSeal Universal Sealer Part A

PRECAUTIONARY STATEMENTS

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
[In case of inadequate ventilation] wear respiratory protection.
If on skin: Wash with plenty of water.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Call a poison center/doctor if you feel unwell.
Specific treatment (see on this label).
Get medical advice/attention if you feel unwell.
Take off contaminated clothing and wash it before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
If experiencing respiratory symptoms: Call a poison center/doctor.
Wash contaminated clothing before reuse. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents / container in accordance with local / regional / national / international regulations.

NFPA

Health: 2
Flammability: 1
Instability: 1

HMIS

Health: 2
Flammability: 1
Physical Hazards: 1

SECTION 3 – CHEMICAL COMPOSITION AND DATA ON COMPONENTS

| CHEMICAL NAME | % (w/w) | CAS NUMBER |
|--|---------|-------------|
| methyloxirane, polymer with oxirane, ether with oxybis [propanol], polymer with 1,1'methylenebis [isocyanatobenzene] methyloxirane and oxirane | 25-50 | 157937-75-2 |
| Pre-Polymer | 25-50 | 53862-89-8 |
| 4,4'-methylenediphenyl diisocyanate | 5-20 | 101-68-8 |
| diphenylmethanediisocyanate, isomeres and homologues (polymer exempt) | 2.5-10 | 9016-87-9 |
| o-(p-isocyanatobenzyl)phenyl isocyanate | 2.5-10 | 5873-54-1 |



SAFETY DATA SHEET 2592

InnoviSeal Universal Sealer Part A

SECTION 4 – FIRST AID

| | |
|----------------------------|--|
| INHALATION | Remove to fresh air. If not breathing, administer artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility. Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation. Call a doctor immediately. Overexposure, remove to fresh air and seek medical attention. |
| INGESTION | Seek medical treatment |
| SKIN CONTACT | Wipe excess from skin. Immediately wash with water and soap and rinse thoroughly |
| EYE CONTACT | Rinse opened eye for 20 minutes under running water. Call a Doctor immediately. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. |
| ACUTE AND CHRONIC SYMPTOMS | No further relevant information available. |
| MEDICAL ATTENTION | No further relevant information available. |
| ADDITIONAL INFORMATION | Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the incident |

SECTION 5 – FIRE-FIGHTING MEASURES

| | |
|-------------------------------|--|
| EXTINGUISHING MEDIA | CO2, extinguishing powder or water spray. Fight larger fires with water spray. Use fire fighting measures that suit the environment. |
| FIRE FIGHTING | No further information available. |
| FLAMMABILITY | Not applicable |
| PROPERTIES: | |
| FLASH POINT | >221°F (105°C) |
| FLAMMABLE LIMITS IN AIR | Flammable lower limits: 0.4 Vol% |
| AUTO IGNITION TEMPERATURE | Product is not selfigniting. |
| SPECIAL PPE FOR FIRE-FIGHTERS | Mouth respiratory protective device. Protective clothing and respiratory protective device |

SECTION 6 – ACCIDENTAL RELEASE MEASURES



SAFETY DATA SHEET 2592

InnoviSeal Universal Sealer Part A

PERSONAL PRECAUTIONS, PROTECTIVE MEASURES AND EMERGENCY PROCEDURES

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

ENVIRONMENTAL PRECAUTIONS

Do not allow to enter sewers/ surface or ground water.

SPILL MANAGEMENT

Cover spilled material with neutralization solution (see below) and mix. Wait 15 minutes. Collect material in openhead metal containers. Repeat neutralization and cleaning process until surface is decontaminated. Apply drum lid but DO NOT secure. Allow containers to vent for 72 hours to let carbon dioxide escape. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste in accordance with federal state and local regulations. Ensure adequate ventilation.

ADDITIONAL INFORMATION

Neutralization solutions: 1. A mixture of 90% water, 3-8% ammonium hydroxide or concentrated ammonia, and 2% liquid detergent. 2. A mixture of 80% water, 20% non-ionic surfactant. Apply solution. Wait 15 minutes. Collect in open-head container. Re-apply until surface is decontaminated. Apply drum lid but DO NOT secure. Let containers vent for 72 hours allowing carbon dioxide to escape. Secure drum lid.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7 - HANDLING AND STORAGE

HANDLING PROCEDURE

Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Wash thoroughly after handling. Open containers in a well ventilated area and avoid breathing headspace vapors. Prevent formation of aerosols. Product reacts with water. Reaction may produce heat and/or gases. Container may rupture from gas generation in a fire situation. This reaction may be violent.

STORAGE PRECAUTIONS

Keep containers tightly closed when not in use. Protect from atmospheric moisture. Store away from oxidizing agents. Keep away from open flames and high temperatures. Storage Temperature 70F-80F Store in dry conditions. Protect from contamination. Keep receptacle tightly sealed.

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION



SAFETY DATA SHEET 2592

InnoviSeal Universal Sealer Part A

| CHEMICAL NAME | OCCUPATIONAL EXPOSURE LIMITS | | |
|--|--|---|---|
| | ACGIH (TLV) | OSHA (PEL) | NIOSH (REL) |
| 101-68-8 4,4'- methylenediphenyl diisocyanate | Long Term: 0.005 ppm, 0.051 mg/m ³ | Ceiling: 0.02 ppm, 0.2 mg/m ³ | Long Term: 0.005 ppm; 0.05 mg/m ³ Ceiling (10 min) 0.020 ppm, 0.2 mg/m ³ |

ENGINEERING MEASURES No information available.

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION Use approved respiratory protection equipment when airborne exposure is excessive. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacturer.

SKIN AND BODY PROTECTION Protective Rubber Gloves that are impermeable and resistant to product (Nitrile Rubber, Chloroprene Rubber). Apron Protective work clothing

EYE PROTECTION Tightly Sealed Goggles.

HYGIENE MEASURES Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

OTHER CONTROLS No further information.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---------------------------|
| APPEARANCE (PHYSICAL STATE, COLOR etc.) | Liquid |
| ODOR | Musty |
| ODOR THRESHOLD | No information available. |
| PH | No information available. |
| MELTING POINT/FREEZING POINT | No information available. |
| INITIAL BOILING POINT AND BOILING RANGE | No information available. |
| FLASH POINT | >221°F (105°C) |
| EVAPORATION RATE | No information available. |



SAFETY DATA SHEET 2592

InnoviSeal Universal Sealer Part A

| | |
|---|-----------------------------------|
| FLAMMABILITY | Flammable. |
| UPPER/LOWER FLAMMABILITY/EXPLOSIVE LIMITS | Lower: 0.4 Vol% |
| VAPOR PRESSURE | No information available. |
| VAPOR DENSITY | No information available. |
| RELATIVE DENSITY | No information available. |
| MOLECULAR WEIGHT | No information available. |
| SOLUBILITY IN/MISCIBILITY WITH WATER | Not miscible or difficult to mix. |
| PARTITION COEFFICIENT: N- OCTANOL/WATER | No information available. |
| IGNITION TEMPERATURE | 400 °C (752 °F) |
| AUTO-IGNITION TEMPERATURE | Product is not selfigniting. |
| SPECIFIC GRAVITY | No information available. |
| VISCOSITY | No information available. |

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY:

| | |
|---------------------------------------|--|
| CHEMICAL STABILITY | Contact with moisture, other materials that react with isocyanates, or temperatures above 350F (177C), may cause polymerization. |
| POSSIBILITY OF HAZARDOUS REACTIONS | Contact with moisture, other materials that react with isocyanates, or temperatures above 350F, may cause polymerization. |
| CONDITIONS TO AVOID | Avoid high temperatures. Avoid freezing. |
| INCOMPATIBLE MATERIALS | Reacts with amines, caustic alkali solutions, alcohols, ammonia, oxidizers, acids, polyols. Reacts with water forming carbon dioxide-may rupture sealed containers if contaminated with water. |
| HAZARDOUS DECOMPOSITION PRODUCTS | Carbon Dioxide, Carbon Monoxide, Nitrogen Oxides, Isocyanate vapor and mist, traces of Hydrogen Cyanide |

SECTION 11 – TOXICOLOGICAL INFORMATION



SAFETY DATA SHEET 2592

InnoviSeal Universal Sealer Part A

| | |
|---|---|
| ACUTE/CHRONIC TOXICITY | The product shows the following dangers according to internally approved calculation methods for preparations: Harmful, Irritant |
| MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE | No further relevant available. |
| PRIMARY ROUTE OF EXPOSURE | Skin Contact, Inhalation |
| HEALTH EFFECTS: | |
| SENSITIZATION | Sensitization possible by inhalation or through skin contact. |
| EYES | Irritating to the eyes |
| SKIN | Skin irritant. Irritant to skin and mucous membrane |
| INHALATION | May cause sensitization |
| INGESTION | No information available. |
| STOT (SPECIFIC TARGET ORGAN TOXICITY)- SINGLE EXPOSURE | No information available. |
| STOT (SPECIFIC TARGET ORGAN TOXICITY) – REPEATED EXPOSURE | May cause damage to organs through prolonged or repeated exposure. |
| CARCINOGENICITY | Component Carcinogenicity: IARC 101-68-8; 4,4'-methylenediphenyl diisocyanate; Group 3 9016-87-9; diphenylmethanediisocyanate, isomers and homologues {polymer exempt}; Group 3 NTP (National Toxicology Program): None of the ingredients are listed OSHA-Ca (Occupations Safety & Health Administration): None of the ingredients are listed |
| REPRODUCTIVE TOXICITY: | |
| DEVELOPMENT OF OFFSPRING | No information available. |
| SEXUAL FUNCTION AND FERTILITY | No information available. |
| GERM CELL MUTAGENICITY | No information available. |



SAFETY DATA SHEET 2592

InnoviSeal Universal Sealer Part A

SECTION 12 – ECOLOGICAL INFORMATION

| | |
|-----------------------------|---|
| ECOTOXICITY | No information available for the product. Water hazard class 1 (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. |
| PERSISTENCE & DEGRADABILITY | No information available. |
| BIODEGRADATION MOBILITY | No information available. |
| BIOACCUMULATION POTENTIAL | No information available. |

SECTION 13 – DISPOSAL CONSIDERATIONS

| | |
|--------------------------|---|
| DISPOSAL RECOMMENDATIONS | Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Must be specially treated adhering to official regulations. Disposal must be made according to official regulations. Disposal must be made according to official regulations. |
|--------------------------|---|

SECTION 14 – TRANSPORT INFORMATION

| | |
|--|-----------------|
| UN-NUMBER: DOT, ADN, IMDG, IATA | Not regulated. |
| UN PROPER SHIPPING NAME: DOT, ADN, IMDG, IATA | Not regulated. |
| TRANSPORT HAZARD CLASS(ES): DOT, ADN, IMDG, IATA | Not regulated. |
| PACKING GROUP: DOT, IMDG, IATA | Not regulated. |
| ENVIRONMENTAL HAZARD | Not applicable. |
| SPECIAL PRECAUTIONS FOR USERS | Not applicable. |
| TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE | Not applicable. |



SAFETY DATA SHEET 2592

InnoviSeal Universal Sealer Part A

TRANSPORT/ADDITIONAL INFORMATION No information available.

UN "MODEL REGULATION" Not regulated.

SECTION 15 - REGULATIONS

Section 355 (extremely hazardous substances):
None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):
101-68-8 4,4'-methylenediphenyl diisocyanate
9016-87-9 diphenylmethanediisocyanate, isomers and homologues (polymer exempt)

TSCA (Toxic Substances Control Act):
All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

Proposition 65
Please contact the supplier for more information regarding Proposition 65 on this product.

(DSL) Canada Domestic Substance List
All components of this product are on the DSL (Canada Domestic Substance list) or are exempt from DSL requirements.

Carcinogenicity categories

EPA (Environmental Protection Agency)
101-68-8 4,4'-methylenediphenyl diisocyanate D, CBD
9016-87-9 diphenylmethanediisocyanate, isomers and homologues (polymer exempt) CBD

TLV (Threshold Limit Value established by ACGIH)
None of the ingredients listed.

MAK (German Maximum Workplace Concentration)
101-68-8 4,4'-methylenediphenyl diisocyanate 4
9016-87-9 diphenylmethanediisocyanate, isomers and homologues (polymer exempt) 4

NIOSH-Ca (National Institute for Occupational Safety and Health)
None of the ingredients is listed.

National regulations:
Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
Chemical safety assessment: Chemical Safety Assessment has not been carried out.

SECTION 16 – OTHER INFORMATION

REVISION DATE OF SDS January 27, 2021



SAFETY DATA SHEET 2592

InnoviSeal Universal Sealer Part A

REPLACES THE MSDS/SDS
FROM

(new)

PREPARED BY

HSE department

GENERAL INFORMATION

1-888-766-2468

WEBSITE

www.iko.com

OTHER INFO/DISCLAMERS

Read this Safety Data Sheet before handling or disposing of this product.

This product safety information is provided to help our customers with health, safety and/or environmental matters. We have taken reasonable effort to ensure that the test methods and sources for this data are correct and reliable, however, we give no warranty, expressed or implied, regarding its correctness. Since conditions or methods of handling and using this product are beyond our control, we do not assume responsibility and expressly disclaim liability for damages resulting from or connected with the handling, storage, use or disposal of the product.



SAFETY DATA SHEET 2593

InnoviSeal Universal Sealer Part B

SECTION 1 – SUBSTANCE IDENTITY AND COMPANY CONTACT INFORMATION

| | |
|-----------------------|---|
| PRODUCT NAME | InnoviSeal Universal Sealer Part B |
| TRADE NAME | |
| PRODUCT NUMBER | 6100007 |
| CHEMICAL FAMILY | No information available. |
| PRODUCT USE | Curing agent/ cross-linker/ Vulcanizing agent. Adhesive/Sealant |
| MANUFACTURER/SUPPLIER | IKO Industries Ltd. 160 IKO Way Hagerstown, MD 21740 United States |
| WEBSITE | www.iko.com |
| EMERGENCY NUMBER | CANUTEC: 1-613-996-6666 (24 hours information only) |

SECTION 2 – HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

SIGNAL WORD Warning

SYMBOL(S)



CLASSIFICATION

Acute Toxicity – Category 4
Skin Irritation – Category 2
Skin Sensitization – Category 1
Eye Irritation – Category 2B
Hazardous to the Aquatic Environment (Acute) – Category 3
Hazardous to the Aquatic Environment (Chronic) – Category 3

HAZARD STATEMENTS

Harmful if swallowed.
Causes skin irritation.
May cause an allergic skin reaction.
Harmful to aquatic life.
Harmful to aquatic life with long lasting effects.

PRECAUTIONARY
STATEMENTS

Avoid breathing dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing must not be allowed out of the workplace.
Avoid release to the environment.
Wear protective gloves.



SAFETY DATA SHEET 2593

InnoviSeal Universal Sealer Part B

If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth.

If on skin: Wash with plenty of water.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Take off contaminated clothing and wash it before reuse.

If skin irritation or rash occurs: Get medical advice/attention.

Specific treatment (see on this label).

If eye irritation persists: Get medical advice/attention.

Wash contaminated clothing before reuse.

Dispose of contents / container in accordance with local / regional / national / international regulations

NFPA

Health: 2

Flammability: 1

Instability: 0

HMIS

Health: 2

Flammability: 1

Physical Hazards: 0

SECTION 3 – CHEMICAL COMPOSITION AND DATA ON COMPONENTS

| CHEMICAL NAME | % (w/w) | CAS NUMBER |
|---|---------|------------|
| Additive | 25-50 | 5285-60-9 |
| Aliphatic Amine | 25-50 | 9046-10-0 |
| Carbon black | ≤1% | 1333-86-4 |
| 2,(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol | ≤0.5% | 25973-55-1 |
| polymer stabilizer | ≤0.5% | n/a |

SECTION 4 – FIRST AID

INHALATION

Call a doctor immediately. Overexposure, remove to fresh air and seek medical attention.

INGESTION

Rinse out mouth with water. Drink 1 - 2 glasses of water but DO NOT induce vomiting. Do not give liquids to a drowsy, convulsing or unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Call a doctor immediately. Seek medical treatment.

SKIN CONTACT

Immediately wash with water and soap and rinse thoroughly.

EYE CONTACT

Rinse opened eye for 20 minutes under running water. Call a Doctor immediately.

ACUTE AND CHRONIC SYMPTOMS

No further relevant information available



SAFETY DATA SHEET 2593

InnoviSeal Universal Sealer Part B

MEDICAL ATTENTION

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

SECTION 5 – FIRE-FIGHTING MEASURES

| | |
|-------------------------------|---|
| EXTINGUISHING MEDIA | CO2, extinguishing powder or water spray. Fight larger fires with water spray. |
| ADVICE FOR FIRE FIGHTING | Use water spray in a fire condition. |
| HAZARDOUS COMBUSTION PRODUCTS | Combustion products may include carbon oxides, nitrogen oxides and other hydrocarbons |
| FLAMMABILITY | Not applicable |
| PROPERTIES: | |
| FLASH POINT | > 212°F (100°C) |
| FLAMMABLE LIMITS IN AIR | No information available. |
| AUTO IGNITION TEMPERATURE | Product is not self-igniting. |
| SPECIAL PPE FOR FIRE-FIGHTERS | Protective clothing and respiratory protective device. |

SECTION 6 – ACCIDENTAL RELEASE MEASURES

| | |
|--|--|
| PERSONAL PRECAUTIONS, PROTECTIVE MEASURES AND EMERGENCY PROCEDURES | Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation |
| ENVIRONMENTAL PRECAUTIONS | Do not allow to enter sewers/ surface or ground water. |
| SPILL MANAGEMENT | <p>Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste in accordance with federal state and local regulations. Ensure adequate ventilation.</p> <p>See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.</p> |



SAFETY DATA SHEET 2593

InnoviSeal Universal Sealer Part B

SECTION 7 - HANDLING AND STORAGE

| | |
|---------------------|--|
| HANDLING PROCEDURE | Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Wash thoroughly after handling. Open containers in a well ventilated area and avoid breathing headspace vapors. Prevent formation of aerosols. |
| STORAGE PRECAUTIONS | Store away from oxidizing agents. |

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

| CHEMICAL NAME | OCCUPATIONAL EXPOSURE LIMITS | | |
|---------------|---------------------------------|-----------|--|
| | ACGIH TLV | OSHA PEL | NIOSH REL |
| Carbon Black | 3* mg/m3 *inhalable fraction | 3.5 mg/m3 | 3.5* mg/m3 *0.1 in presence of PAHs |

ENGINEERING MEASURES No information available.

PERSONAL PROTECTIVE EQUIPMENT:

| | |
|--------------------------|--|
| RESPIRATORY PROTECTION | Use approved respiratory protection equipment when airborne exposure is excessive. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacturer. |
| SKIN AND BODY PROTECTION | Apron. Use protective gloves that are impermeable and resistant to the product (Nitrile Rubber, Chloroprene rubber, CR). Protective work clothing |
| EYE PROTECTION | Face shield over protective glasses or goggles. Safety glasses with side shields |
| HYGIENE MEASURES | Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. |
| OTHER CONTROLS | Emergency showers and eye wash stations should be available. |

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---------------------------|
| APPEARANCE (PHYSICAL STATE, COLOR etc.) | Black liquid |
| ODOR | Characteristic |
| ODOR THRESHOLD | No information available. |



SAFETY DATA SHEET 2593

InnoviSeal Universal Sealer Part B

| | |
|---|--|
| PH | No information available. |
| MELTING POINT/FREEZING POINT | No information available. |
| INITIAL BOILING POINT AND BOILING RANGE | No information available. |
| FLASH POINT | >212°F (100°C) |
| EVAPORATION RATE | No information available. |
| FLAMMABILITY | Product is not selfigniting. Product does not present an explosion hazard. |
| UPPER/LOWER FLAMMABILITY/EXPLOSIVE LIMITS | No information available. |
| VAPOR PRESSURE | No information available. |
| VAPOR DENSITY | No information available. |
| RELATIVE DENSITY | No information available. |
| MOLECULAR WEIGHT | No information available. |
| SOLUBILITY IN/MISCIBILITY WITH WATER: | Not miscible or difficult to mix. |
| PARTITION COEFFICIENT: N-OCTANOL/WATER | No information available. |
| AUTO-IGNITION TEMPERATURE | Product is not selfigniting. |
| SPECIFIC GRAVITY | 1 g/cm ³ (8.345 lbs/gal) |
| VISCOSITY | No information available. |
| SOLVENT CONTENT | 0.0% Organic Solvents |

SECTION 10 – STABILITY AND REACTIVITY

| | |
|------------------------------------|---|
| REACTIVITY: | No information available. |
| CHEMICAL STABILITY | No further information available |
| POSSIBILITY OF HAZARDOUS REACTIONS | No dangerous reactions known. No decomposition if used according to specifications. |
| CONDITIONS TO AVOID | Exposure to high temperatures. |



SAFETY DATA SHEET 2593

InnoviSeal Universal Sealer Part B

INCOMPATIBLE MATERIALS Reacts with strong oxidizing agents. Reacts with alcohols. Reacts with Aldehydes

HAZARDOUS DECOMPOSITION PRODUCTS Carbon monoxide and carbon dioxide. Ammonia. Nitrogen oxides.

SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE/CHRONIC TOXICITY Irritating

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE No information available.

PRIMARY ROUTE OF EXPOSURE Skin or eyes.

HEALTH EFFECTS:

EYES Vapors may be irritating to the eyes.

SKIN Irritating to skin

INHALATION Inhalation - Sensitization possible through inhalation.

INGESTION No information available.

STOT (SPECIFIC TARGET ORGAN TOXICITY)- SINGLE EXPOSURE No information available.

STOT (SPECIFIC TARGET ORGAN TOXICITY) – REPEATED EXPOSURE No information available.

CARCINOGENICITY Component Carcinogenicity:
Carbon black (1333-86-4)
IARC: Group 2B
NTP (National Toxicology Program): None listed
OSHA-Ca (Occupational Safety & Health Administration): None listed

REPRODUCTIVE TOXICITY:

DEVELOPMENT OF OFFSPRING No information available

SEXUAL FUNCTION AND FERTILITY No information available

GERM CELL MUTAGENICITY No information available



SAFETY DATA SHEET 2593

InnoviSeal Universal Sealer Part B

SECTION 12 – ECOLOGICAL INFORMATION

| | |
|--------------------------------|--|
| ECOTOXICITY | No Information available. |
| PERSISTENCE & DEGRADABILITY | No information available |
| BIODEGRADATION MOBILITY | No information available |
| BIOACCUMULATION POTENTIAL | No information available |
| GENERAL NOTES | At present there are no ecotoxicological assessments. Water hazard class 2 (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground. |

SECTION 13 – DISPOSAL CONSIDERATIONS

| | |
|-----------------------------|---|
| DISPOSAL RECOMMENDATIONS | Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Must be specially treated adhering to official regulations. Disposal must be made according to official regulations. Disposal must be made according to official regulations. |
|-----------------------------|---|

SECTION 14 – TRANSPORT INFORMATION

| | |
|---|--------------------------|
| UN-NUMBER: DOT, ADN, IMDG, IATA | Not regulated |
| UN PROPER SHIPPING NAME: DOT, ADN, IMDG, IATA | Not regulated. |
| TRANSPORT HAZARD CLASS(ES): DOT, ADN, IMDG, IATA | Not applicable |
| PACKING GROUP: DOT, IMDG, IATA | No information available |
| ENVIRONMENTAL HAZARD | Not applicable. |
| SPECIAL PRECAUTIONS FOR USERS | Not applicable. |
| TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE | Not applicable. |



SAFETY DATA SHEET 2593

InnoviSeal Universal Sealer Part B

TRANSPORT/ADDITIONAL INFORMATION No information available

UN "MODEL REGULATION" Not regulated.

SECTION 15 - REGULATIONS

Section 355 (extremely hazardous substances):
None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):
None of the ingredients is listed.

TSCA (Toxic Substances Control Act):
All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

Proposition 65
Please contact the supplier for more information regarding Proposition 65 on this product.

(DSL) Canada Domestic Substance List
All components of this product are on the DSL(Canada Domestic Substance list) or are exempt from DSL requirements.

Carcinogenicity categories

EPA (Environmental Protection Agency)
None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)
1333-86-4 Carbon black A4

MAK (German Maximum Workplace Concentration)
1333-86-4 Carbon black 3B

NIOSH-Ca (National Institute for Occupational Safety and Health)
1333-86-4 Carbon black

National regulations:
Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.
Chemical safety assessment: Chemical Safety Assessment has not been carried out.

SECTION 16 – OTHER INFORMATION

REVISION DATE OF SDS January 27, 2021

REPLACES THE MSDS/SDS FROM (new)

PREPARED BY HSE department



SAFETY DATA SHEET 2593

InnoviSeal Universal Sealer Part B

| | |
|-----------------------|--|
| GENERAL INFORMATION | 1-888-766-2468 |
| WEBSITE | www.iko.com |
| OTHER INFO/DISCLAMERS | <p>Read this Safety Data Sheet before handling or disposing of this product.</p> <p>This product safety information is provided to help our customers with health, safety and/or environmental matters. We have taken reasonable effort to ensure that the test methods and sources for this data are correct and reliable, however, we give no warranty, expressed or implied, regarding its correctness. Since conditions or methods of handling and using this product are beyond our control, we do not assume responsibility and expressly disclaim liability for damages resulting from or connected with the handling, storage, use or disposal of the product.</p> |



SAFETY DATA SHEET 2598

InnoviSeal Water Stop Mastic

SECTION 1 – SUBSTANCE IDENTITY AND COMPANY CONTACT INFORMATION

| | |
|-----------------------|---|
| PRODUCT NAME | InnoviSeal Water Stop Mastic |
| TRADE NAME | Single-Ply Bonding Adhesive |
| PRODUCT NUMBER | 6100008 |
| CHEMICAL FAMILY | No information available. |
| PRODUCT USE | Sealant |
| MANUFACTURER/SUPPLIER | IKO Industries Ltd. 160 IKO Way Hagerstown, MD 21740 United States |
| WEBSITE | www.iko.com |
| EMERGENCY NUMBER | CANUTEC: 1-613-996-6666 (24 hours information only) |

SECTION 2 – HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

SIGNAL WORD Warning

SYMBOL(S)



CLASSIFICATION Skin Irritation – Category 2
Eye Irritation – Category 2A

HAZARD STATEMENTS Causes skin irritation.
Causes serious eye irritation.

PRECAUTIONARY STATEMENTS Wash thoroughly after handling.
Wear protective gloves / eye protection / face protection.
If on skin: Wash with plenty of water.
Specific treatment (see on this label).
If in eyes: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.

NFPA Health: 2
Flammability: 2
Reactivity: 0



SAFETY DATA SHEET 2598

InnoviSeal Water Stop Mastic

HMIS

Health: 2
Flammability: 2
Physical Hazards: 0

SECTION 3 – CHEMICAL COMPOSITION AND DATA ON COMPONENTS

| CHEMICAL NAME | % (w/w) | CAS NUMBER |
|--|---------|-------------|
| calcium carbonate | 25-50% | 471-34-1 |
| kaolin | 5-20% | 1332-58-7 |
| Stoddard solvent (mineral spirits) | 2.5-10% | 8052-41-3 |
| Magnesite | 2.5-10% | 546-93-0 |
| Precipitated silica (Silica-Amorphous) | ≤1% | 112926-00-8 |
| calcium oxide | ≤1% | 1305-78-8 |
| titanium dioxide | ≤1% | 13463-67-7 |

SECTION 4 – FIRST AID

| | |
|----------------------------|--|
| INHALATION | Overexposure, remove to fresh air and seek medical attention |
| INGESTION | Seek medical treatment. |
| SKIN CONTACT | Wipe excess from skin. Immediately wash with water and soap and rinse thoroughly. |
| EYE CONTACT | Rinse opened eye for 20 minutes under running water. If eye becomes irritated, obtain medical treatment. |
| ACUTE AND CHRONIC SYMPTOMS | No further relevant information available. |
| MEDICAL ATTENTION | No further relevant information available. |

SECTION 5 – FIRE-FIGHTING MEASURES

| | |
|--------------------------|--|
| EXTINGUISHING MEDIA | Suitable extinguishing agents: CO ₂ , Sand, Extinguishing powder or water spray. Fight larger fires with water spray. |
| ADVICE FOR FIRE FIGHTING | Protective clothing and respiratory protective device. |
| FLAMMABILITY | Not determined |
| PROPERTIES | Form: Pasty Color: Gray Odor: Hydrocarbon-like Odor threshold: Not determined |



SAFETY DATA SHEET 2598

InnoviSeal Water Stop Mastic

| | |
|------------------------------|------------------------------|
| FLASH POINT | Not applicable. |
| FLAMMABLE LIMITS IN AIR | Not applicable. |
| AUTO IGNITION TEMPERATURE | Product is not selfigniting. |

SECTION 6 – ACCIDENTAL RELEASE MEASURES

| | |
|--|---|
| PERSONAL PRECAUTIONS, PROTECTIVE MEASURES AND EMERGENCY PROCEDURES | Ensure adequate ventilation Wear protective equipment. Keep unprotected persons away |
|--|---|

Protective Action Criteria for Chemicals ·

PAC-1:

| | | |
|-------------|---|----------------------|
| 471-34-1 | <i>calcium carbonate</i> | 45 mg/m ³ |
| 546-93-0 | <i>Magnesite</i> | 45 mg/m ³ |
| 112926-00-8 | <i>Precipitated silica (Silica-Amorphous)</i> | 18 mg/m ³ |
| 1305-78-8 | <i>calcium oxide</i> | 6 mg/m ³ |

PAC-2:

| | | |
|-------------|---|-----------------------|
| 471-34-1 | <i>calcium carbonate</i> | 210 mg/m ³ |
| 546-93-0 | <i>Magnesite</i> | 260 mg/m ³ |
| 112926-00-8 | <i>Precipitated silica (Silica-Amorphous)</i> | 200 mg/m ³ |
| 1305-78-8 | <i>calcium oxide</i> | 110 mg/m ³ |

PAC-3:

| | | |
|-------------|---|------------------------|
| 471-34-1 | <i>calcium carbonate</i> | 1300 mg/m ³ |
| 546-93-0 | <i>Magnesite</i> | 1600 mg/m ³ |
| 112926-00-8 | <i>Precipitated silica (Silica-Amorphous)</i> | 1200 mg/m ³ |
| 1305-78-8 | <i>calcium oxide</i> | 660 mg/m ³ |

| | |
|--------------------------------|---|
| ENVIRONMENTAL PRECAUTIONS | Do not allow product to reach sewage system or any water course. Prevent seepage into sewage system, workpits and cellars. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water. |
| SPILL MANAGEMENT | Dispose of contaminated material as waste in accordance with federal state and local regulations. Ensure adequate ventilation. |
| REFERENCE TO OTHER SECTIONS | See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information |



SAFETY DATA SHEET 2598

InnoviSeal Water Stop Mastic

SECTION 7 - HANDLING AND STORAGE

| | |
|---------------------|---|
| HANDLING PROCEDURE | Open and handle receptacle with care. |
| STORAGE PRECAUTIONS | Requirements to be met by storerooms and receptacles: No special requirement. Information about storage in one common storage facility: Keep container closed when not in use. Keep respiratory protective device available. Further information about storage conditions: Keep receptacle tightly sealed. |

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

Components with limit values that require monitoring at the workplace: The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

| CHEMICAL NAME | EXPOSURE LIMITS | | |
|---|--|--|---|
| | PEL | REL | TLV |
| 471-34-1 Calcium Carbonate | Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction | Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction | TLV withdrawn |
| 1332-58-7 Kaolin | Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction | Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction | Long-term value: 2* mg/m ³ E; as respirable fraction |
| 8052-41-3 Stoddard Solvent (mineral spirits) oxide | Long-term value: 2900 mg/m ³ , 500 ppm | Long-term value: 350 mg/m ³ Ceiling limit value: 1800* mg/m ³ *15-min | Long-term value: 525 mg/m ³ , 100 ppm |
| 546-93-0 Magnesite | Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction | Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction | TLV withdrawn |
| 112926-00-8 Precipitated Silica (Silica-Amorphous) | 20mppcf or 80mg/m ³ /%SiO ₂ | Long-term value: 6 mg/m ³ | TLV withdrawn |
| 1305-78-8 Calcium Oxide | Long-term value: 5 mg/m ³ | Long-term value: 2 mg/m ³ | Long-term value: 2 mg/m ³ |
| 13463-67-7 Titanium Dioxide | Long-term value: 15* mg/m ³ *total dust | See Pocket Guide App. A | Long-term value: 10 mg/m ³ withdrawn from NIC |



SAFETY DATA SHEET 2598

InnoviSeal Water Stop Mastic

| | |
|-------------------------------|---|
| ENGINEERING MEASURES | No further information available. |
| PERSONAL PROTECTIVE EQUIPMENT | See listings below |
| RESPIRATORY PROTECTION | Use approved respiratory protection equipment when airborne exposure is excessive. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacturer. |
| BODY PROTECTION | Protective work clothing |
| EYE PROTECTION | Safety glasses with side shields. Tightly sealed goggles. |
| HYGIENE MEASURES | Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with the eyes and skin. |
| OTHER CONTROLS | <p>Protection of hands: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.</p> <p>Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation</p> <p>Material of gloves: Protective gloves. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.</p> <p>Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and must be observed.</p> |

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|----------------------------|
| APPEARANCE (PHYSICAL STATE, COLOR etc.) | Form: Pasty Color: Gray |
| ODOR | Hydrocarbon-like |
| ODOR THRESHOLD | Not determined |
| PH | Not applicable. |



SAFETY DATA SHEET 2598

InnoviSeal Water Stop Mastic

| | |
|---|--|
| MELTING POINT/FREEZING POINT | Melting point: Undetermined. |
| INITIAL BOILING POINT AND BOILING RANGE | Boiling point: Undetermined. |
| IGNITION TEMPERATURE | 230 °C (446 °F) |
| FLASH POINT | Not applicable. |
| EVAPORATION RATE | Not determined. |
| FLAMMABILITY | Not determined. |
| UPPER/LOWER FLAMMABILITY/EXPLOSIVE LIMITS | Lower: 1.1 Vol % Upper: 6.0 Vol % |
| VAPOR PRESSURE | Not applicable. |
| VAPOR DENSITY | Not applicable. |
| RELATIVE DENSITY | Not determined. |
| MOLECULAR WEIGHT | No information available. |
| SOLUBILITY(IES) | Insoluble. |
| PARTITION COEFFICIENT: N-OCTANOL/WATER | Not determined. |
| AUTO-IGNITION TEMPERATURE | Product is not selfigniting. |
| SPECIFIC GRAVITY 20 °C (68 °F) | 1.4 g/cm ³ (11.683 lbs/gal) |
| VISCOSITY | Dynamic: Not determined. Kinematic: >20.5cSt. |
| SOLVENT CONTENT | Organic solvents: 15.0 % |
| SOLIDS CONTENT | 85.0% |
| OTHER INFORMATION | VOC = 5.17 LBS/GAL WEIGHT PER GALLON = 6.98 LBS |

SECTION 10 – STABILITY AND REACTIVITY

| | |
|------------|--|
| REACTIVITY | No further relevant information available. |
|------------|--|



SAFETY DATA SHEET 2598

InnoviSeal Water Stop Mastic

CHEMICAL STABILITY

POSSIBILITY OF HAZARDOUS REACTIONS No dangerous reactions known. No decomposition if used according to specifications.

CONDITIONS TO AVOID Heat, flames, sparks.

INCOMPATIBLE MATERIALS Reacts with strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS No dangerous decomposition products known.

SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE/CHRONIC TOXICITY LD/LC50 values that are relevant for classification:

108-88-3 toluene

| | | |
|------------|----------|-----------------------|
| Oral | LD50 | 5,000 mg/kg (rat) |
| Dermal | LD50 | 12,124 mg/kg (rabbit) |
| Inhalative | LC50/4 h | 5,320 mg/l (mouse) |

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE No further information available

PRIMARY ROUTE OF EXPOSURE On the skin: Skin irritant
On the eye: May irritate the eye.

EYES May irritate the eye.

SKIN Irritant to skin and mucous membranes.

INHALATION No further information available

INGESTION No further information available

CARCINOGENICITY IARC (International Agency for Research on Cancer)

| | | |
|-------------|---|-----------------|
| 112926-00-8 | <i>Precipitated silica (Silica-Amorphous)</i> | <i>Group 3</i> |
| 13463-67-7 | <i>titanium dioxide</i> | <i>Group 2B</i> |

NTP (National Toxicology Program):
None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration):
None of the ingredients is listed.

ADDITIONAL INFORMATION Due to the form of this product, exposure to the potentially carcinogenic components is not expected.



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SECTION 12 – ECOLOGICAL INFORMATION

| | |
|--------------------------------|--|
| AQUATICTOXICITY | No further relevant information available. |
| PERSISTENCE & DEGRADABILITY | No further relevant information available. |
| BIODEGRADATION MOBILITY | No further relevant information available. |
| BIOACCUMULATION POTENTIAL | No further relevant information available. |
| MOBILITY IN SOILS | No further relevant information available. |
| GENERAL NOTES | Do not allow product to reach ground water, water course or sewage system. |

SECTION 13 – DISPOSAL CONSIDERATIONS

| | |
|-----------------------------|--|
| DISPOSAL RECOMMENDATIONS | Waste treatment methods: Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Disposal must be made according to official regulations. Uncleaned packagings: Disposal must be made according to official regulations |
|-----------------------------|--|

SECTION 14 – TRANSPORT INFORMATION

| | |
|--|----------------|
| UN-NUMBER: DOT ADN, IMDG, IATA | Not regulated. |
| UN PROPER SHIPPING NAME: DOT ADN, IMDG, IATA | Not regulated. |
| TRANSPORT HAZARD CLASS(ES): DOT ADN, IMDG, IATA CLASS | Not regulated. |
| PACKING GROUP: DOT IMDG, IATA | Not regulated. |



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| | |
|---|---|
| ENVIRONMENTAL HAZARDS | Not applicable. |
| SPECIAL PRECAUTIONS FOR USERS | Not applicable. |
| TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE | Not applicable. |
| TRANSPORT/ADDITIONAL INFORMATION | This product is not classified as a Division 4.1 Flammable Solids according to UN Test N.1 Test Method for Readily Combustible Solids. |
| UN "MODEL REGULATION" | Not regulated. |

SECTION 15 - REGULATIONS

Section 355 (extremely hazardous substances):
None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

TSCA (Toxic Substances Control Act):
All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

Hazardous Air Pollutants:
108-88-3 *toluene*

Proposition 65:

Chemicals known to cause cancer:
None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.

Chemicals known to cause developmental toxicity:
None of the ingredients is listed.

(DSL) Canada Domestic Substance List:
All components of this product are on the DSL(Canada Domestic Substance list) or are exempt from DSL requirements.

New Jersey Right-to-Know List:
1332-58-7 *Kaolin*
1317-65-3 *Limestone*
546-93-0 *Magnesite*
112926-00-8 *Precipitated silica (Silica-Amorphous)*



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1305-78-8 *calcium oxide*
13463-67-7 *titanium dioxide*

New Jersey Special Hazardous Substance List:
1305-78-8 *calcium oxide*

Pennsylvania Right-to-Know List:
1332-58-7 *Kaolin*
1317-65-3 *Limestone*
1305-78-8 *calcium oxide*
13463-67-7 *titanium dioxide*

Pennsylvania Special Hazardous Substance List:
None of the ingredients is listed.

Carcinogenicity categories
EPA (Environmental Protection Agency):
None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH):
1332-58-7 *Kaolin*
13463-67-7 *titanium dioxide*

MAK (German Maximum Workplace Concentration):
13463-67-7 *titanium dioxide*

NIOSH-Ca (National Institute for Occupational Safety and Health):
13463-67-7 *titanium dioxide*

National regulations:
Information about limitation of use: Use by properly trained workers recommended

Water hazard class: Not determined
Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16 – OTHER INFORMATION

| | |
|----------------------------|---|
| REVISION DATE OF SDS | January 27, 2021 |
| REPLACES THE MSDS/SDS FROM | (new) |
| PREPARED BY | HSE department |
| GENERAL INFORMATION | 1-888-766-2468 |
| WEBSITE | www.iko.com |
| OTHER INFO/DISCLAIMERS | Read this Safety Data Sheet before handling or disposing of this product. This product safety information is provided to help our customers with |



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health, safety and/or environmental matters. We have taken reasonable effort to ensure that the test methods and sources for this data are correct and reliable, however, we give no warranty, expressed or implied, regarding its correctness. Since conditions or methods of handling and using this product are beyond our control, we do not assume responsibility and expressly disclaim liability for damages resulting from or connected with the handling, storage, use or disposal of the product.