



SAFETY DATA SHEET 2599

InnoviBond Sprayable Insulation Adhesive Part A

SECTION 1 – SUBSTANCE IDENTITY AND COMPANY CONTACT INFORMATION

PRODUCT NAME	InnoviBond Sprayable Insulation Adhesive Part A
TRADE NAME	Sprayable Roofing Adhesive
PRODUCT NUMBER	6100011
CHEMICAL FAMILY	Aromatic isocyanates
PRODUCT USE	Polyurethane Component, Industrial Chemicals
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 (Inhalation – mist)
Eye Damage/Irritation – Category 2B
Skin Corrosion/Irritation – Category 2
Skin Sensitization – Category 1B
Respiratory Sensitization – Category 1
Specific Target Organ Toxicity, Single Exposure – Category 3
(irritating to respiratory system)
Specific Target Organ Toxicity, Repeated Exposure – Category 2 (by inhalation)
Gases under Pressure – Compressed Gas
Simple Asphyxiant

HAZARD STATEMENTS

H280 Contains gas under pressure; may explode if heated. May displace oxygen and cause rapid suffocation.
H320 Causes eye irritation.
H315 Causes skin irritation.
H332 Harmful if inhaled.



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- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
H373 May cause damage to organs (Olfactory organs) through prolonged or repeated exposure (inhalation).

PRECAUTIONARY STATEMENTS

- P280 Wear protective gloves.
P271 Use only outdoors or in a well-ventilated area.
P260 Do not breathe dust/gas/mist/vapours.
P261 Avoid breathing mist.
P284 In case of inadequate ventilation wear respiratory protection.
P272 Contaminated work clothing should not be allowed out of the workplace.
P264 Wash with plenty of water and soap thoroughly after handling.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P305+P351 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing
P314 Get medical advice/attention if you feel unwell.
P303+P352 IF ON SKIN (or hair): Wash with plenty of soap and water
P333+P311 If skin irritation or rash occurs: Call a POISON CENTER or doctor/physician.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P337+P311 If eye irritation persists: Call a POISON CENTER or doctor/physician.
P410+P403 Protect from sunlight. Store in well-ventilated place.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/container to hazardous or special waste collection point.

NFPA

Health: 2
Flammability: 1
Reactivity: 1

HMIS

Health: 2
Flammability: 1
Reactivity: 1

LABELING OF SPECIAL PREPARATIONS (GHS)

CONTAINS ISOCYANATES. INHALATION OF ISOCYANATE MISTS OR VAPORS MAY CAUSE RESPIRATORY IRRITATION, BREATHLESSNESS, CHEST DISCOMFORT AND REDUCED PULMONARY FUNCTION. OVEREXPOSURE WELL ABOVE THE PEL MAY RESULT IN BRONCHITIS, BRONCHIAL SPASMS AND



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PULMONARY EDEMA. LONG-TERM EXPOSURE TO ISOCYANATES HAS BEEN REPORTED TO CAUSE LUNG DAMAGE, INCLUDING REDUCED LUNG FUNCTION WHICH MAY BE PERMANENT. ACUTE OR CHRONIC OVEREXPOSURE TO ISOCYANATES MAY CAUSE SENSITIZATION IN SOME INDIVIDUALS, RESULTING IN ALLERGIC RESPIRATORY REACTIONS INCLUDING WHEEZING, SHORTNESS OF BREATH AND DIFFICULTY BREATHING. ANIMAL TESTS INDICATE THAT SKIN CONTACT MAY PLAY A ROLE IN CAUSING RESPIRATORY SENSITIZATION.

SECTION 3 – CHEMICAL COMPOSITION AND DATA ON COMPONENTS

CHEMICAL NAME	% (w/w)	CAS NUMBER
Diphenylmethane-4,4'-diisocyanate (MDI)	$\geq 25.0 - < 50.0\%$	101-68-6
Methylenediphenyl diisocyanate	$\geq 3.0 - < 7.0\%$	26447-40-5
P-MDI	$\geq 25.0 - < 75.0\%$	9016-87-9
Isocyanic acid, polymethylenepolyphenylene ester, polymer with .alpha.-hydro-.omega.-hydroxypoly (oxy-1,2-ethanediyl)	$\geq 1.0 - < 3.0\%$	57636-09-6
1,3-Diazetidine-2,4-dione, 1,3-bis[4-[(4isocyanatophenyl)methyl]phenyl]	$\geq 0.3 - < 1.0\%$	17589-24-1
HFC-134A	$\geq 3.0 - < 5.0\%$	811-97-2

ADDITIONAL INFORMATION: This product contains Nitrogen ($\geq 0.0 - < 1.0\%$), used for cylinder pressurization only.

SECTION 4 – FIRST AID

INHALATION

Remove the affected individual to fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.

INGESTION

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention. Do not induce vomiting.

SKIN CONTACT

Removed contaminated clothing. Wash affected areas thoroughly with soap and water. If irritation develops, see medical attention.

EYE CONTACT

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Immediate medical attention required.



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ACUTE AND CHRONIC SYMPTOMS

Symptoms: Eye irritation, skin irritation, allergic symptoms

Hazards: Symptoms can appear later.

Information on: Diphenylmethane-4,4'-diisocyanate (MDI)

Hazards: Respiratory sensitization may result in allergic (asthma-like) signs in the lower respiratory tract including wheezing, shortness of breath and difficulty breathing, the onset of which may be delayed. Repeated inhalation of high concentrations may cause lung damage, including reduced lung function, which may be permanent. Substances eliciting lower respiratory tract irritation may worsen the asthma-like reactions that may be produced by product exposures.

Call a POISON CENTER or doctor/physician if you feel unwell.

MEDICAL ATTENTION

Antidote: Specific antidotes or neutralizers to isocyanates do not exist.

Treatment: Treatment should be supportive and based on the judgement of the physician in response to the reaction of the patient

SECTION 5 – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Suitable extinguishing: water spray, dry powder, carbon dioxide, foam

ADVICE FOR FIRE FIGHTING

Protective equipment: Protective clothing and respiratory protective device.

Hazards during fire-fighting: nitrous gases, fumes/smoke, isocyanate, vapour

FLAMMABILITY

Not flammable.

PROPERTIES

Form: Liquid
Color: Amber
Odor: Fairly Aromatic
Odor threshold: Not applicable.

FLASH POINT

>200.00 °C (open cup)

FLAMMABLE LIMITS IN AIR

Not applicable.

AUTO IGNITION TEMPERATURE

Based on its structural properties the product is not classified as self-igniting.

ADDITIONAL INFORMATION

Keep containers cool by spraying with water if exposed to fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.



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SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE

Use personal protective clothing.

ENVIRONMENTAL PRECAUTIONS

Do not allow to enter sewers, surface waters or ground water.

SPILL MANAGEMENT

For small amounts:

Absorb isocyanate with suitable absorbent material (see § 40 CFR, sections 260, 264 and 265 for further information). Shovel into open container. Do not make container pressure tight. Move container to a well-ventilated area (outside). Spill area can be decontaminated with the following recommended decontamination solution: Mixture of 90 % water, 8 % concentrated ammonia, 2 % detergent. Add at a 10 to 1 ratio. Allow to stand for at least 48 hours to allow escape of evolved carbon dioxide.

For large amounts:

If temporary control of isocyanate vapor is required, a blanket of protein foam or other suitable foam (available from most fire departments) may be placed over the spill. Transfer as much liquid as possible via pump or vacuum device into closed but not sealed containers for disposal. For residues: The following measures should be taken for final cleanup: Wash down spill area with decontamination solution. Allow solution to stand for at least 10 minutes. Dike spillage. Diphenylmethane

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

STORAGE PRECAUTIONS/ PROCEDURES

Provide suitable at the processing machines. Ensure thorough ventilation of stores and work areas. Avoid aerosol formation. When handling heated product, vapours of the product should be ventilated, and respiratory protection used. Wear respiratory protection when spraying. Danger of bursting when sealed gastight. Protect against moisture. If bulging or drum occurs, transfer to well ventilated area, puncture to relieve pressure, open vent and let stand for 48 hours before resealing.

CONDITIONS FOR SAFE STORAGE (AS WELL AS INCOMPATIBILITIES)

Keep away from water. Segregate from foods and animal feeds. Segregate from acids and bases.

Suitable materials for containers:

Carbon steel (Iron), High density polyethylene (HDPE), Low density polyethylene (LDPE), Stainless steel 1.4301 (V2)

Further information on storage conditions: Formation of CO₂ and build up of pressure possible. Keep container tightly closed and in a



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well-ventilated place. Outage of containers should be filled with dry inert gas at atmospheric pressure to avoid reaction with moisture.

Ideal storage temperature: 16 - 27 °C

Protection against fire and explosion: No explosion proofing necessary.

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

EXPOSURE LIMITS		
CHEMICAL NAME	OSHA	ACGIH
101-68-6 <i>Diphenylmethane-4,4'-diisocyanate (MDI)</i>	CLV 0.2 mg/m ³ , 0.02ppm	TWA: 0.005 ppm
9016-87-9 <i>P-MDI</i>	CLV 0.2 mg/m ³ , 0.02ppm	TWA: 0.005 ppm

ENGINEERING MEASURES	Provide local exhaust ventilation to maintain recommended P.E.L.
GENERAL SAFETY	Wear protective clothing as necessary to prevent contact. Eye wash fountains and safety showers must be easily accessible. Observe the appropriate PEL or TLV value. Wash soiled clothing immediately. Contaminated equipment or clothing should be cleaned after each use or disposed of.
RESPIRATORY PROTECTION	When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. When atmospheric levels may exceed the occupational exposure limit (PEL or TLV) NIOSH-certified air-purifying respirators equipped with an organic vapor sorbent and particulate filter can be used as long as appropriate precautions and change out schedules are in place. For emergency or nonroutine, high exposure situations, including confined space entry, use a NIOSH-certified full facepiece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions.
BODY PROTECTION	Cover as much of the exposed skin as possible to prevent all skin contact., Suitable materials may include, saran-coated material, depending upon conditions of use.
EYE PROTECTION	Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.
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



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with the eyes and skin.

HAND PROTECTION

Chemical resistant protective gloves should be worn to prevent all skin contact. Suitable materials may include, chloroprene rubber (Neoprene), nitrile rubber (Buna N), chlorinated polyethylene, polyvinylchloride (Pylox), butyl rubber, depending upon conditions of use.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE (PHYSICAL STATE, COLOR etc.)	Form: Liquid Color: Amber
ODOR	Fairly aromatic
ODOR THRESHOLD	Not applicable.
PH	Not applicable.
MELTING POINT/FREEZING POINT	Freezing point: < -19.00 °C
INITIAL BOILING POINT AND BOILING RANGE	Boiling point: 200.00 °C (5.000000 mmHg)
FLASH POINT	>200.00 °C (open cup)
EVAPORATION RATE	Value can be approximated from Henry's Law Constant or vapor pressure.
FLAMMABILITY	Not flammable.
UPPER/LOWER FLAMMABILITY/EXPLOSIVE LIMITS	Lower: For liquids not relevant for classification and labelling. The lower explosion point may be 5 - 15 °C below the flash point. Upper: For liquids not relevant for classification and labeling.
VAPOR PRESSURE 25 °C (77 °F)	< 0.00001 mmHg
VAPOR DENSITY	Not applicable.
DENSITY	1.2220 g/cm ³ (20.00 °C)
RELATIVE DENSITY	No applicable information available.
MOLECULAR WEIGHT	No information available
SOLUBILITY(IES)	Solubility in water: Reacts with water. Miscibility in water: Reacts with water. Solubility (quantitative): No applicable information available. Solubility (qualitative): No applicable information available.



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PARTITION COEFFICIENT: N-OCTANOL/WATER	Unspecified.
AUTO-IGNITION TEMPERATURE	>470 °C
VISCOSITY	Dynamic: 200.000 mPa.s (25.00 °C) Kinematic: No applicable information available.

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY	Corrosion to metals: No Corrosive effect on metal expected. Oxidizing properties: Not an oxidizer.
CHEMICAL STABILITY	The product is stable if stored and handled as prescribed/indicated.
POSSIBILITY OF HAZARDOUS REACTIONS	Reacts with water, with formation of carbon dioxide. Risk of bursting. Reacts with alcohols. Reacts with alkalies. Reacts with amines. Risk of exothermic reaction. Risk of polymerization. Contact with certain rubbers and plastics can cause brittleness of the substance/product with subsequent loss in strength.
CONDITIONS TO AVOID	Avoid moisture
INCOMPATIBLE MATERIALS	Acids, amines, alcohols, water, Alkalines, strong bases, Substances/products that react with isocyanates.
HAZARDOUS DECOMPOSITION PRODUCTS	carbon monoxide, carbon dioxide, nitrogen oxide, hydrogen cyanide, nitrogen oxides, aromatic isocyanates, gases/vapours
THERMAL DECOMPOSITION	No decomposition if stored and handled as prescribed/indicated.

SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Information on *Diphenylmethane-4,4'-diisocyanate (MDI)*

Oral	LD50	> 2,000 mg/kg (rat)
Inhalative	LC50	2.0 mg/l (rat)
Dermal	LD50	> 9,400 mg/kg (rabbit)

Other acute effects:

Assessment of STOT single: Causes temporary irritation of the respiratory tract.

CHRONIC TOXICITY

Repeated Dose Toxicity: The substance may cause damage to the olfactory epithelium after repeated inhalation. The substance may cause damage to the lung after repeated inhalation. These effects are not relevant to humans at occupational levels of exposure.

EYES

May be irritating to the eyes.



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SKIN	Irritant to skin and mucous membranes.
INHALATION	Inhalation of vapours may cause irritation of the mucous membranes of the nose, throat or trachea, breathlessness, chest discomfort, difficult breathing and reduced pulmonary function. Inhalation exposure well above the PEL may result additionally in eye irritation, headache, chemical bronchitis, asthma-like findings or pulmonary edema. Isocyanates have also been reported to cause hypersensitivity pneumonitis, which is characterized by flu-like symptoms, the onset of which may be delayed.
INGESTION	No further information available
SENSITIZATION	Sensitization after skin contact possible. The substance may cause sensitization of the respiratory tract. As a result of previous repeated overexposures or a single large dose, certain individuals will develop isocyanate sensitization (chemical asthma) which will cause them to react to a later exposure to isocyanate at levels well below the PEL/TLV. These symptoms, which include chest tightness, wheezing, cough, shortness of breath, or asthmatic attack, could be immediate or delayed up to several hours after exposure. Similar to many non-specific asthmatic responses, there are reports that once sensitized an individual can experience these symptoms upon exposure to dust, cold air, or other irritants. This increased lung sensitivity can persist for weeks and in severe cases for several years. Chronic overexposure to isocyanates has also been reported to cause lung damage, including a decrease in lung function, which may be permanent. Prolonged contact can cause reddening, swelling, rash, scaling, or blistering. In those who have developed a skin sensitization, these symptoms can develop as a result of contact with very small amounts of liquid material, or even as a result of vapour-only exposure. Animal tests indicate that skin contact may play a role in causing respiratory sensitization.
ASPIRATION HAZARD	No aspiration hazard expected.
GENETIC TOXICITY	The substance was mutagenic in various bacterial test systems; however, these results could not be confirmed in tests with mammals.
CARCINOGENICITY	A carcinogenic potential cannot be excluded after prolonged exposure to severely irritating concentrations. These effects are not relevant to humans at occupational levels of exposure. IARC Group 3 (not classifiable as to human carcinogenicity). Information on: Diphenylmethane-4,4'-diisocyanate (MDI) : A carcinogenic potential cannot be excluded after prolonged exposure to severely irritating concentrations. These effects are not relevant to humans at occupational levels of exposure. IARC Group 3 (not classifiable as to human carcinogenicity). Information on: P-MDI : A carcinogenic potential cannot be excluded after prolonged exposure to severely irritating concentrations. These effects are not relevant to humans at occupational levels of exposure. IARC Group 3



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(not classifiable as to human carcinogenicity).

Information on: Methylenediphenyl diisocyanate

A carcinogenic potential cannot be excluded after prolonged exposure to severely irritating concentrations. These effects are not relevant to humans at occupational levels of exposure. IARC Group 3 (not classifiable as to human carcinogenicity).

Information on: Isocyanic acid, polymethylenepolyphenylene ester, polymer with.alpha.-hydro.omega.-hydroxypoly(oxy-1,2-ethanediyl):

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. A carcinogenic potential cannot be excluded after prolonged exposure to severely irritating concentrations. These effects are not relevant to humans at occupational levels of exposure.

Information on: 1,3-Diazetidine-2,4-dione, 1,3-bis[4-[(4-isocyanatophenyl)methyl]phenyl]:

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. A carcinogenic potential cannot be excluded after prolonged exposure to severely irritating concentrations. These effects are not relevant to humans at occupational levels of exposure.

REPRODUCTIVE TOXICITY

Repeated inhalative uptake of the substance did not cause damage to the reproductive organs.

DEVELOPMENT OF OFFSPRING

The substance did not cause malformations in animal studies; however, toxicity to development was observed at high doses that were toxic to the parental animals.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE

The isocyanate component is a respiratory sensitizer. It may cause allergic reaction leading to asthma-like spasms of the bronchial tubes and difficulty in breathing. Medical supervision of all employees who handle or come into contact with isocyanates is recommended. Contact may aggravate pulmonary disorders. Persons with history of respiratory disease or hypersensitivity should not be exposed to this product. Preemployment and periodic medical examinations with respiratory function tests (FEV, FVC as a minimum) are suggested. Persons with asthmatic conditions, chronic bronchitis, other chronic respiratory diseases, recurrent eczema or pulmonary sensitization should be excluded from working with isocyanates. Once a person is diagnosed as having pulmonary sensitization (allergic asthma) to isocyanates, further exposure is not recommended.

SECTION 12 – ECOLOGICAL INFORMATION

AQUATIC TOXICITY

There is a high probability that the product is not acutely harmful to aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. Based on long-term (chronic) toxicity study data, the product is very likely not harmful



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to aquatic organisms. The product may hydrolyse. The test result maybe partially due to degradation products. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Toxicity to fish:

LC0 (96 h) > 1,000 mg/l, Brachydanio rerio (OECD Guideline 203, static)

Aquatic invertebrates:

EC50 (24 h) > 1,000 mg/l, Daphnia magna (OECD Guideline 202, part 1, static)

Aquatic plants:

EC0 (2 h) 1,640 mg/l (growth rate), cenedesmus subspicatus (OECD Guideline 201, static)

TOXICITY TO MICROORGANISMS

OECD Guideline 209 aquatic aerobic bacteria from a domestic water treatment plant/EC50 (3 h): > 100 mg/l

PERSISTENCE & DEGRADABILITY

Poorly biodegradable. The product is unstable in water. The elimination data also refer to products of hydrolysis.

BIODEGRADATION MOBILITY

N 0 % BOD of the ThOD (28 d) (OECD Guideline 302 C) (aerobic, activated sludge) Poorly biodegradable..

BIOACCUMULATION POTENTIAL

Significant accumulation in organisms is not to be expected.

Bioconcentration factor: 200 (28 d), Cyprinus carpio (OECD Guideline 305 E)

MOBILITY IN SOILS

Assessment transport between environmental compartments The substance will not evaporate into the atmosphere from the water surface. Adsorption to solid soil phase is not expected.

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL RECOMMENDATIONS

Substance Disposal:

Incinerate or dispose of in a licensed facility. Do not discharge substance/product into sewer system.

Container Disposal:

Return to the manufacturer with residual pressure. If cylinder is damaged, please contact supplier. Empty cylinders (all sizes) must be depressurized before they are returned to supplier. Depressurization will not relieve all pressure. Always seal cylinder valves for return



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SECTION 14 – TRANSPORT INFORMATION

TRANSPORT INFORMATION

Containers Greater Than 100 cu. Cm. (1 liter)

Ground - UN3500 Chemical Under Pressure n.o.s. (Fluorinated hydrocarbon, nitrogen) 2.2 (Non-Flammable Gas Label)

Air - UN3500 Chemical Under Pressure n.o.s. (Fluorinated hydrocarbon, nitrogen) 2.2 (Non-Flammable Gas Label)

Water - UN3500 Chemical Under Pressure n.o.s. (Fluorinated hydrocarbon, nitrogen) 2.2 (Non-Flammable Gas Label)

HAZARD CATEGORIES

Acute; Chronic, Sudden release of pressure

SECTION 15 - REGULATIONS

Registration status:

Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Acute; Chronic, Sudden release of pressure

Section 313 (Specific toxic chemical listings):

101-68-8 *Diphenylmethane-4,4'-diisocyanate (MDI)*

9016-87-9 *P-MDI*

CERCLA RQ	CAS Number	Chemical name
5000 Lbs	101-68-8; 901687-9	Diphenylmethane-4,4'-diisocyanate (MDI); P-MDI

TSCA (Toxic Substances Control Act):

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

State regulations:

State RTK	CAS Number	Chemical name
NJ	101-68-8	Diphenylmethane-4,4'-diisocyanate (MDI)
	9016-87-9	P-MDI
	26447-40-5	Methylenediphenyl diisocyanate
PA	101-68-8	Diphenylmethane-4,4'-diisocyanate (MDI)
	9016-87-9	P-MDI



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SECTION 16 – OTHER INFORMATION

REVISION DATE OF SDS	June 28 2024
REPLACES THE MSDS/SDS FROM	January 27, 2021
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.