



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.



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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



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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	CO ₂ , 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



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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



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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.



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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



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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.



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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.
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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.



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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, isomeres 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, isomeres 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, isomeres 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



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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.