



SAFETY DATA SHEET 2589

InnoviBond Membrane Adhesive SPR

SECTION 1 – SUBSTANCE IDENTITY AND COMPANY CONTACT INFORMATION

PRODUCT NAME	InnoviBond Membrane Adhesive SPR
TRADE NAME	Sprayable Single-Ply Bonding Adhesive
PRODUCT NUMBER	6100003
CHEMICAL FAMILY	No information available.
PRODUCT USE	Industrial use only: 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 Flammable Aerosol - Category 1
Aspiration Hazard – Category 1
Skin Irritation – Category 2
Eye Irritation – Category 2A
Specific Target Organ Toxicity, Single Exposure – Category 3

HAZARD STATEMENTS H222 Extremely flammable aerosol
H304 May be fatal if swallowed and enter airways
H315 Causes skin irritation
H319 Causes serious eye irritation
H336 May cause drowsiness or dizziness

PRECAUTIONARY STATEMENTS Keep away from heat/sparks/open flames/hot surfaces,-No Smoking.
Do not spray on an open flame or other ignition sources.
Pressurized Container: Do not pierce or burn, even after use.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/eye protection/face protection.
If swallowed: Immediately call a poison center/doctor.



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Do NOT induce vomiting.
 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.
 Call a poison center/doctor if you feel unwell.
 Take off contaminated clothing and wash it before reuse.
 If skin irritation occurs: Get medical advice/attention.
 If eye irritation persists: Get medical advice/attention.
 Store in a well-ventilated place. Keep container tightly closed.
 Store locked up.
 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/112°F.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

NFPA Health: 2
 Flammability: 4
 Instability: 1

HMIS Health: 2
 Flammability: 4
 Physical Hazards: 1

SECTION 3 – CHEMICAL COMPOSITION AND DATA ON COMPONENTS

CHEMICAL NAME	% (w/w)	CAS NUMBER
Methyl acetate	10-25	79-20-9
Cyclohexane	5-20	110-82-7
Acetone	5-20	67-54-1
Pentane	2.5-10	109-66-0
Carbon Dioxide	2.5-10	124-38-9
Petroleum gases, liquefied	2.5-10	68476-85-7

SECTION 4 – FIRST AID

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

INGESTION Rinse mouth with water. Seek medical treatment.

SKIN CONTACT Immediately wash with water and soap and rinse thoroughly.

EYE CONTACT Rinse opened eye for 20 minute under running water. If eye becomes irritated, obtain medical treatment. Rinse opened eye for several



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minutes under running water. If symptoms persist, consult a doctor.

ACUTE AND CHRONIC SYMPTOMS

No information available

MEDICAL ATTENTION

No information available

SECTION 5 – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Suitable extinguishing agents: CO₂, sand extinguishing powder. Fight larger fires with water spray. Do not use water.

ADVICE FIRE FIGHTING

Firefighters use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

FLAMMABILITY

Flammable
Form: Aerosol

PROPERTIES:

Color: Green
Odor: Characteristic
Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

FLASH POINT -35 °C (-31 °F)

FLAMMABLE LIMITS IN AIR Lower: 1.2 Vol%
Upper: 16 Vol%

AUTO IGNITION TEMPERATURE Product is not selfigniting.

SPECIAL PPE FOR FIRE-FIGHTERS Use standard protective equipment, and in enclosed spaces, SCBA.

PROTECTION AGAINST EXPLOSION AND FIRES

Do not spray on a naked flame or any incandescent material.
Keep ignition sources away – Do not smoke.
Protect against electrostatic charges
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE MEASURES AND EMERGENCY PROCEDURES

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

ENVIRONMENTAL PRECAUTIONS

Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/surface or groundwater.



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SPILL MANAGEMENT

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.

SECTION 7 - HANDLING AND STORAGE

HANDLING PROCEDURE

Open and handle receptacle with care. Wash thoroughly after handling.

STORAGE PRECAUTIONS

Empty containers may contain hazardous residuals. Keep away from heat, sparks and open flame. DO NOT cut, drill, puncture, weld or grind on or near full, partially full or empty product containers. Store in a cool location away from direct heat. Observe official regulations on storing packagings with pressurized containers. Keep away from open flames and high temperatures. Store away from oxidizing agents. Keep away from heat, spark and flame. Keep receptacle tightly sealed. Do not gas tight seal receptacle. Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight. Storage temperature 0-50°C

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

CHEMICAL NAME	OCCUPATIONAL EXPOSURE LIMITS		
	OSHA (PEL)	ACGIH (TLV)	NIOSH (REL)
Methyl Acetate	Long-term value: 610 mg/m ³ (200ppm)	Short-term value: 757 mg/m ³ (250ppm) Long-term value: 606mg/m ³ (200ppm)	Short-term value: 760 mg/m ³ (250ppm) Long-term value: 610 mg/m ³ (200ppm)
Cyclohexane	Long-term value: 1050mg/m ³ (300ppm)	Long-term value: 344 mg/m ³ (100ppm)	Long-term value: 1050 mg/m ³ (300ppm)
Acetone	Long-term value: 2400mg/m ³ (1000ppm)	Short-term value: 1187mg/m ³ (500ppm) Long-term value: 594 mg/m ³ (250ppm) BEI: 50 mg/L, Medium: urine, Time: end of shift, Parameter: Acetone (non-specific)	Long-term value: 590mg/m ³ (250ppm)
Pentane	Long-term value: 2950mg/m ³ (1000ppm)	Long-term value: 2950mg/m ³ (1000ppm)	Long-term value: 350mg/m ³ (120ppm) Ceiling limit value (15-min):



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			1800 mg/m ³ (610ppm)
Carbon Dioxide	Long-term value: 9000mg/m ³ (5000ppm)	Short-term value: 54,000mg/m ³ (30,000ppm) Long-term value: 9000mg/m ³ (5000ppm)	Short-term value: 54,000mg/m ³ (30,000ppm) Long-term value: 9000mg/m ³ (5000ppm)
Petroleum Gases, Liquefied	Long-term value: 1800 mg/m ³ (1000ppm)	No information available	Long-term value: 1800 mg/m ³ (1000ppm)
Magnesium Oxide	Long-term value: 15* mg/m ³ Fume *total particulate	Long-term value: 10* mg/m ³ *as inhalable fraction	No information available

ENGINEERING MEASURES No information available.

PERSONAL PROTECTIVE EQUIPMENT: Protective gloves. Tightly sealed goggles.

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 work clothing. Protective gloves. The glove has to be impermeable and resistant to the product. Tests need to be conducted to find best materials. Selection of the glove materials on consideration of the penetration times, rates of diffusion and degradation. Material of gloves; Nitrile Rubber, NBR. The selection of suitable gloves does not only depend on material but also further marks of quality and varies from manufacturer to manufacturer. Check resistance of glove prior to application. Penetration time of glove materials; the exact break through time has to be found out by manufacturer of the gloves

EYE PROTECTION Safety glasses with side shields. Tightly sealed.

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 eye contact with eyes. Avoid contact with the eyes and skin.

OTHER CONTROLS No information available

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE (PHYSICAL STATE, COLOR etc.) Form: Aerosol
Color: Greenish



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ODOR	Characteristic
ODOR THRESHOLD	No information available.
PH	No information available.
MELTING POINT/FREEZING POINT	No information available.
INITIAL BOILING POINT AND BOILING RANGE	36 °C (96.8 °F)
FLASH POINT	-35 °C (-31 °F)
EVAPORATION RATE	No information available.
FLAMMABILITY	Flammable
UPPER/LOWER FLAMMABILITY/EXPLOSIVE LIMITS	Lower: 1.2 Vol% Upper: 16 Vol%
VAPOR PRESSURE	233 hPa (174.8 mm Hg)* *at 20 °C (68 °F)
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	Product is not self-igniting.
SPECIFIC GRAVITY	0.856 g/cm ³ (7.14332 lbs/gal) at 20 °C (68 °F)
VISCOSITY	No information available
SOLVENT CONTENT: VOC (PER EPA 24)	< 250 g/L

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY: No information available.

CHEMICAL STABILITY Thermal decomposition/conditions to be avoided: not decomposition if used according to specifications.



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POSSIBILITY OF HAZARDOUS REACTIONS	No dangerous reactions known.
CONDITIONS TO AVOID	Heat, flames, sparks.
INCOMPATIBLE MATERIALS	Reacts with oxidizing agents. Reacts with acids. Reacts with bases. Reactive metals. Nitrates. Chlorine and fluorine
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon monoxide and carbon dioxide. Nitrogen oxides. Hydrogen chloride (HCl). Aldehydes. Acids. Hydrocarbons

SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE/CHRONIC TOXICITY	LD/LC50 values that are relevant for classification: 110-82-7cyclohexane Oral LD50 12,705 mg/kg (rat)
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE	No information available.
PRIMARY ROUTE OF EXPOSURE	No information available.
HEALTH EFFECTS:	Skin irritant Irritation Irritating effect.
EYES	Vapors may be irritating to the eyes. Causes serious eye irritation.
SKIN	Skin Contact - May cause allergic skin reaction. Skin irritant
INHALATION	Avoid inhalation of material or combustion by-products. Overexposure, remove to fresh air and seek medical attention.
INGESTION	Rinse mouth with water. Seek medical treatment.
STOT (SPECIFIC TARGET ORGAN TOXICITY) - SINGLE EXPOSURE	Specific target organ toxicity (single exposure) – Category 3
STOT (SPECIFIC TARGET ORGAN TOXICITY) – REPEATED EXPOSURE	No information available.
CARCINOGENICITY	None of the ingredients are listed in IARC, NTP, OSHA-Ca
REPRODUCTIVE TOXICITY:	No information available.
DEVELOPMENT OF OFFSPRING	No information available.



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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 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. Recommendation: Disposal must be made according to official regulations.

SECTION 14 – TRANSPORT INFORMATION

UN-NUMBER: UN3501
DOT
ADN, IMDG, LATA

UN PROPER SHIPPING NAME: CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (METHYL ACETATE, PENTANES)
DOT
ADN, IMDG, IATA

TRANSPORT HAZARD CLASS(ES): DOT. Class: 2 Gases; Label: 2.1
DOT
ADN, IMDG, IATA CLASS IMDG, IATA. Class: 2 Gases; Label: 2.1

PACKING GROUP: Not regulated
DOT
IMDG, IATA

ENVIRONMENTAL HAZARD Product contains environmentally hazardous substances: cyclohexane
Marine pollutant
Special marking (ADR): Symbol (Fish)



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SPECIAL PRECAUTIONS FOR USERS	Warning: Gases
TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE	Not applicable.
TRANSPORT/ADDITIONAL INFORMATION	No information available.
UN "MODEL REGULATION"	UN 3501 CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (METHYL ACETATE, PENTANES), 2.1, ENVIRONMENTALLY HAZARDOUS

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): 110-82-7 cyclohexane TSCA (Toxic Substances Control Act): All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.
(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	79-20-9 methyl acetate, 110-82-7 cyclohexane, 67-64-1 acetone, 109-66-0 pentane, 124-38-9 carbon dioxide
NEW JERSEY SPECIAL HAZARDOUS SUBSTANCE LIST	79-20-9 methyl acetate F3 110-82-7 cyclohexane F3 67-64-1 acetone F3 109-66-0 pentane F4
PENNSYLVANIA RIGHT-TO-KNOW LIST	79-20-9 methyl acetate, 110-82-7 cyclohexane, 67-64-1 acetone, 109-66-0 pentane, 124-38-9 carbon dioxide
PENNSYLVANIA SPECIAL HAZARDOUS SUBSTANCE LIST	110-82-7 cyclohexane E 67-64-1 acetone E
CANCEROGENITY CATEGORIES	EPA (Environmental Protection Agency) 110-82-7 cyclohexane I 67-64-1 acetone I · TLV (Threshold Limit Value established by ACGIH) 67-64-1 acetone A4 ·



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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.

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.