

SAFETY DATA SHEET

Section 1 – Product And Company Identification

PRODUCT

PRODUCT NAME: 3105B CURE 'N SEAL
PRODUCT DESCRIPTION: Preparation/Mixture
PRODUCT USE: Acrylic sealer designed to cure, seal and prime concrete surfaces.

MANUFACTURER INFORMATION

INNOVATIVE MANUFACTURING INC
 861 DERWENT WAY
 DELTA, BC, CANADA, V3M 5R4
 (604) 522-2811

EMERGENCY INFORMATION

INNOVATIVE MANUFACTURING CONTACT: 1-800-667-8246
24-HOUR EMERGENCY AND SDS HELP: CANUTEC: 613-966-6666

Section 2 – Hazards Identification

GHS Hazard Classification

This product is NOT considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

Signal word

Hazard Statement:

Precautionary Statements:

Prevention

Response

Storage

Disposal

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)

Not applicable

Unknown acute toxicity

0% of the mixture consists of ingredients(s) of unknown toxicity

Section 3 – Composition/Information on Ingredients

COMPONENTS	CAS No.	% BY WEIGHT
Water	7732-18-5	78-84
Acrylic Polymers	NA-Mixture	15-18
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate	25266-77-4	1-4

Section 4 – First Aid Measures

Description of First Aid Measures

Eye Contact Immediately flush eyes with plenty of cool water for at least 20 minutes, occasionally lifting the eye lids to ensure thorough rinsing. Get medical attention if irritation persists.

Skin Contact Wash thoroughly with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. In the case of skin irritation or allergic reactions see a physician.

Inhalation Move to fresh air in case of accidental inhalation of vapors. If continued difficulty with breathing is experienced, get immediate medical attention.

Ingestion	If swallowed, do not induce vomiting. Get immediate medical attention. Never give anything by mouth to an unconscious person.
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Most important symptoms and effects, both acute and delayed

Symptoms Inhalation	No information available. May cause respiratory tract irritation.
Self-protection of the first aider	Pay attention to self-protection.

Indication of any immediate medical attention and special treatment needed

Immediately seek medical advice or attention if symptoms are significant or persist.

Note to physicians	Treat symptomatically
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Section 5 – Fire Fighting Measures

Flammability of the product:	This is a water-based product and presents no particular fire or explosion hazard. Dry polymer film will burn. Product contains low levels of organic volatiles which may be emitted at elevated temperatures.
Suitable extinguishing media	Use alcohol resistant foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this product.
Unsuitable extinguishing media	No information available
Special hazards arising from the substance or mixture	No information available
Protective actions fire-fighters	As in any fire, wear self-contained breathing apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6 – Accidental Release Measures**Personal precautions, protective equipment, and emergency procedures**

Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. Use proper personal protective equipment as listed in Section 8.

Environmental precautions

Avoid runoff into storm sewers, ditches, and waterways.

Methods and materials for containment and cleaning up

Methods for containment	Contain spills with an inert absorbent material such as soil or sands. Prevent from spreading by covering, diking or other means. Provide ventilation.
Methods for cleaning up	Clean up spills immediately observing precautions in the protective equipment section. Place into a suitable container for disposal. Provide ventilation. After removal, flush spill area with soap and water to remove trace residue.

Section 7 – Handling and Storage

Precautions for safe handling	Handle in accordance with good industrial hygiene and safety practices. Do not eat, drink, or smoke while handling this product. Wash thoroughly after handling. Avoid breathing vapors/mists generated by this product. Use in a well-ventilated location.
Conditions for safe storage, including any incompatibilities	Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances. Keep container tightly closed when not in use. Do not store container in direct sunlight or above 38°C(100°F).
Incompatible Products	None known based on information supplied.

Section 8 – Exposure Controls / Personal Protection

Control Parameters
Exposure Guidelines

Components	ACGIH TLV	OSHA PEL	NIOSH REL

Appropriate engineering control**Engineering Controls**

Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

Individual protection measures, such as personal protective equipment**Eye/Face Protection**

Wear appropriate protective glasses or splash goggles as described by 20 CFR1910.133, OSHA eye and face protection regulation, or the European standard EN 166.

Skin/Body Protection

Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.

Respiratory Protection

A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

Other Protective

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

Section 9 – Physical and Chemical Properties

	PRODUCT CRITERIA
PHYSICAL STATE	Liquid
APPEARANCE - COLOR	Milky white
ODOR	Slight
ODOR THRESHOLD	No data available
PH	8-9
MELTING POINT/FREEZING POINT	< 0°C
INITIAL BOILING POINT AND BOILING RANGE	> 100°C
FLASH POINT	No data available
EVAPORATION RATE	No data available
FLAMMABILITY (solid, gas)	No data available
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS	No data available
VAPOR PRESSURE	No data available
VAPOR DENSITY (AIR=1)	No data available
SPECIFIC GRAVITY(@25°C)	1.02
SOLUBILITY	No data available
AUTO IGNITION TEMPERATURE	No data available
DECOMPOSITION TEMPERATURE	No data available
VISCOSITY	No data available
VOC CONTENT	100 g/L

Section 10 – Stability and Reactivity**Reactivity:**

No dangerous reaction known under conditions of normal use.

Chemical Stability:

Stable under recommended storage and handling conditions.

Possibility of Hazardous Reactions:

No dangerous reaction known under conditions of normal use.

Conditions to Avoid:

Heat, flames, incompatible materials and freezing or temperature below 0°C (32°F).

Incompatibility (Materials to Avoid):

Oxidizing agents. Strong acids and alkalis.

Hazardous Decomposition Products: None known based on information supplied.

Section 11 – Toxicological Information

GHS Required Criteria	Toxicity Criteria	Toxicity Information	Comment	Chemical Constituent
Acute Toxicity	LD50 (Oral/Rat)	6500 mg/kg		2,2,4-trimethyl-1,3-pentenediol monoisobutyrate
	LC50 (Inhalation/Rat male)	>3.55 mg/l 6 hours		
	LD50 (Dermal/Rabbit)	>15200 mg/kg		
Skin Corrosion/Irritation	May cause irritation to skin			
Serious Eye Damage / Eye Irritation	May cause mild irritation to eyes			
Respiratory or Skin Sensitization	Not classified, no data available			
Germ Cell Mutagenicity	No evidence of mutagenic effects			
Carcinogenicity	Not classified, no data available			
Reproductive Toxicity	No evidence of reproductive effects			
STOT - Single Exposure	May cause respiratory irritation			
STOT - Repeated Exposure	Based on available data, not expected			
Aspiration Hazard	Not classified, no data available			
Ames Test	No data available			

Section 12 – Ecological Information

Ecotoxicity This material may be toxic to aquatic organisms and should be kept out of sewage and drainage systems and all bodies of water. The environmental impact of this product has not been fully investigated.

ECOTOXICITY DATA

Ecotoxicity	Chemical Name	
	2,2,4-trimethyl-1,3-pentenediol monoisobutyrate 25266-77-4	
Toxicity to algae	EC50 / 96 h or 72 h	15 mg/L/72 hours (Green algae)
	NOEC / 96 h or 72 h	-
	M factor	-
Toxicity to fish	LC 50 / 96 h	33 mg/L (FatheadMinnow)
	NOEC / 21 days	-
	M factor	-
Toxicity to Daphnia	EC50 / 48 h	147.8 mg/L (Water flea)
	NOEC / 21 days	-
	M factor	-

Persistence and Degradability No further relevant information available.

Bioaccumulative potential

Product/Ingredient Name	Log P _{ow}	BCF	Potential
2,2,4-trimethyl-1,3-pentenediol monoisobutyrate	2.34 to 3.2	-	Low

Mobility in Soil No further relevant information available.

Other Adverse Effects

No further relevant information available.

Section 13 – Disposal Considerations

Waste Disposal

The packaging and material may be land filled. This product is not classified as a hazardous waste under the authority of the RCRA (40CFR 261) or CERCLA (40CFR 117&302). Dispose of waste according to local, state/provincial, and federal requirements.

Contaminated Materials

Disposal must be made in accordance with local, state and federal regulations.

Container Disposal

Disposal must be made in accordance with local, state and federal regulations.

Recommended cleaning agent

Water, if necessary with cleansing agents.

Section 14 – Transportation Information

DOT

Not Regulated as a hazardous material for transport

TDG

Not Regulated as a hazardous material for transport

IATA Not Regulated as a hazardous material for transport

IMDG Not Regulated as a hazardous material for transport

Section 15 – Regulatory Information

Safety, Health and Environmental Regulations/Legislations Specific for the Chemical

Canada

WHMIS Classification: Considered to be a D2B hazardous material under the Hazardous Products Act as defined by the Controlled Products Regulations and subject to the requirements of Health Canada's Workplace Hazardous Material Information System (WHMIS). This document complies with the WHMIS requirements of the Hazardous Products Act (HPA) and the CPR.

US Federal Information

SARA 302/311/312/313 Components No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302, 311,312 or 313.

RCRA Not classified as a hazardous substance under the Resource Conservation and Recovery Act, or its regulations, 40 CFR.261.

CERCLA Not classified as a hazardous substance under regulations of the Comprehensive Environmental Response Compensation and Liability Act (CERCLA), 40 CFR.302.

Emergency Planning and Community Right-to-Know Act (SARA Title III):

Not an extremely hazardous substance under Section 302 and is not a toxic chemical subject to the requirements of Section 313.

NTP Not classified.

OSHA Carcinogen Not listed.

State Right to Know Laws

California Prop. 65 Components

Warning: This product does not contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Global Inventories

DSL: All components of this product are on the Canadian DSL list.

TSCA No: All constituents are listed in the TSCA inventory.

Section 16 – Other Information

HMIS Rating:

Health	1
Flammability	0
Physical Hazard	0
Personal Protection	x

NFPA Rating:

Health	1
Flammability	0
Instability	0
Special	-

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Prepared By: Joey Wang

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