



HYDROSTOP COATING (PART B) K-720-B POLYMERIZED CEMENTITIOUS TOPPING MORTAR

MATERIAL SAFETY DATA SHEET

MAY 2011

BE SURE. BE KRYTON.

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier:

- Hydrostop Coating (Part B)

Product Code: K-720-B

Product Use: Concrete repair and protection

WHMIS Classification: D2B toxic

CAS Number: Not Established

Manufacturer's Name: Kryton International Inc.

Address: 1645 E. Kent Avenue, Vancouver, BC, Canada, V5P 2S8

Telephone Number: 1-604-324-8280

FAX Number: 1-604-324-8899

Web Site: www.kryton.com

Emergency Contacts & Phone Number: CANUTEC 1-613-996-6666

Date MSDS Updated: May 1, 2011

Date MSDS Prepared: August 1, 2010

MSDS prepared and updated by: Research and Development Department, Kryton International Inc.

2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Ingredient name CAS # EINECS	Content (%)	ACGIH TLV- TWA (mg/m ³)	OSHA PEL-8h TWA (mg dust/m ³) T: total, R: Respirable	LD ₅₀ LC ₅₀
Acrylic Polymer Proprietary	4-12%	Not Available	Not Available	Not Available Not Available

3. HAZARDS IDENTIFICATION

Route of Entry: Skin Contact, Eye Contact, Inhalation and Ingestion

Emergency Overview:

- Opaque white, mild acrylic odour liquid. It is not combustible or explosive. Short-term exposure to the liquid presents little or no hazard. Inhalation of vapor can cause headache, nausea. May irritate eyes, skin and respiratory tract.

WHMIS Symbol: D2B, toxic



3. HAZARDS IDENTIFICATION CONT'D

Globally Harmonized System (GHS):

Classification: Acute Toxicity Category 5; Skin Irritation Category 3; Eye Irritation Category 2B

Symbol:



Signal Word: Warning

Hazard Statement: May be harmful if swallowed
May be harmful if contact with skin
May be harmful if inhaled.
Cause skin irritation
Cause eye irritation

4. FIRST AID MEASURES

When contacting a physician, take this MSDS with you.

Eyes:

- Do not rub eye(s) as additional cornea damage is possible by mechanical stress.
- Remove any contact lenses and open the eyelid(s) widely to flush eye(s) immediately by thoroughly rinsing with plenty of clean water for at least 15 minutes to remove all particles. If possible, use isotonic water (0.9% NaCl).
- Contact a specialist of occupational medicine or an eye specialist.

Skin:

- Wash skin with water.
- Remove contaminated clothing, footwear, watches, etc. and clean thoroughly before re-using them.
- Seek medical treatment in all cases of irritation or burns.

Ingestion:

- Do not induce vomiting.
- If person is conscious, wash out mouth with water and give plenty of water to drink.
- Get immediate medical attention or contact anti poison centre.

Inhalation:

- Remove to fresh air.
- If breathing has stopped, institute artificial respiration.
- Get medical attention if discomfort remains.

Effects of Acute and Chronic Exposure to Product: See Part 11.

5. FIREFIGHTING MEASURES

Flammability: Noncombustible

Means of Extinction: Water, Fog, Alcohol-Resistant Foam, Dry Chemical or Carbon Dioxide (CO₂)

Flashpoint and Method: Non-combustible, >200F

Autoignition Temperature: Not Applicable

Fire and Explosion Data: Not Applicable

Hazardous Combustion Products: Carbon oxides, carbon dioxide, nitrogen oxides, sulfur oxides, ammonia

Fire Fighting Instructions: Firefighters should wear self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear protective equipment as described under section 8 and follow the advice for safe handling and use given under section 7. Emergency procedures are not required.

Environment precautions: Do not wash product down sewage and drainage systems or into bodies of water.

Methods for cleaning up:

- Soak up material with absorbent and transfer into a chemical waste container for recovery or disposal.

7. HANDLING AND STORAGE

Handling Procedures and Equipment:

- Avoid contact with skin and eyes by wearing protective equipment: safety goggles, protective clothing, nitrile gloves and waterproof shoes.
- Use in well-ventilated area or wear NIOSH-approved respirator if necessary.
- Do not handle or store near food and beverages or smoking materials.
- Carrying bags/buckets may cause sprains and strains to the back, arms, shoulders and legs.
- Handle with care and use appropriate control measures.
- Wash hands thoroughly with soap and water after handling.
- Keep container closed when not in use.

Storage Requirements:

- Bulk product should be stored in containers that are waterproof, clean and protected from contamination.
- Keep containers tightly closed.
- Protect from moisture.
- Store in a cool, dry place.
- Keep out of reach of children.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Limits: Not Available

Specific Engineering Controls: Use general or local exhaust ventilation to keep dust levels below exposure limits. Use a properly fitted and NIOSH approved respirator if needed.

Personal Protective Equipment:

- Gloves: Chemical resistant rubber or nitrile gloves
- Respirator: NIOSH approved if needed
- Eye: Safety goggles or safety glasses with side shields
- Footwear: Waterproof
- Clothing: Long sleeve and long pants to avoid skin contact
- Other: Wash thoroughly with soap and water after handling

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Odour and Appearance: Mild acrylic odour, opaque white, thin viscosity liquid

Odour Threshold: Not Available

Specific Gravity: 0.98g/mL

Vapor Density: Not Available

Vapor Pressure: Not Available

Evaporation Rate: Not Available

Boiling Point: 97 °C

Melting Point: 0 °C

pH : 7-8

Coefficient of Water/Oil Distribution: > 1, water soluble

Solubility in Water: Yes

Viscosity: 0.001 N s m⁻²

VOC content (EU): VOC (w/w): 0.05%

Flammability: Noncombustible

Flashpoint: Not Applicable

Upper/Lower Flammability or Explosive Limits: Not Applicable

Auto-ignition Temperature: Not Applicable

Decomposition Temperature: Not Applicable

10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions to Avoid (Stability): None known

Incompatibility with Other Substances: Strong oxidizing agents and acids, which may liberate Carbon Monoxide, Carbon Dioxide nitrogen oxides, sulfur oxides or ammonia

Hazardous Polymerization: Cannot occur

Possibility of Hazardous Reactions: No additional remark

Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide nitrogen oxides, sulfur oxides or ammonia

11. TOXICOLOGICAL INFORMATION

Routes of Entry: Skin Contact, Eye Contact, Inhalation and Ingestion

Effects of Acute Exposure to Product:

- Inhalation of vapor can cause headache, nausea.
- May cause eyes, skin and respiratory irritation.

Effects of Chronic Exposure to Product:

- Sensitivity reactions may occur from prolonged and repeated exposure

Irritancy of Product: Can be irritating to eyes, skin, and respiratory tract.

Skin Sensitization: May occur from prolonged and repeated exposure

Respiratory Sensitization: None known

Numerical Measures of Toxicity: Not Available

Carcinogenicity: This product does not contain any carcinogen at concentrations equal to or greater than 0.1% listed by IARC, ACGIH and NTP.

Reproductive Toxicity: Not Available

Teratogenicity: Not Available

Mutagenicity: Not Available

Embryotoxicity: Not Available

Name of Synergistic Products/ Effects: Not Available

12. ECOLOGICAL INFORMATION

Ecotoxicity: This product contains 0.02% of 1,2-Benzisothiazolin-3-one, BIT, which is toxic to fish (96hr LC50 5-50mg/L) and very toxic to algae (72hr EC50 0.37mg/L).

Mobility: Not Available.

Bio accumulative potential: BIT is not likely to bio-accumulate; there is evidence of photodegradation in water and soil.

Persistence and degradability: BIT is broken down in sewage treatment at concentrations <5ppm.

Other adverse effects: Not Available

13. DISPOSAL CONSIDERATIONS

Always dispose of in accordance with local, provincial (state), and federal regulations.

Unused Residue or Spillage:

- Do not wash product down sewage and drainage systems or into bodies of water. In case of spillage, soak up material with absorbent and transfer into a chemical waste container for recovery or disposal. For disposal, send to a chemical waste disposal facility or mix product with cement, mortar or concrete; dispose after hardened and according to local legislation.
- EWC entries: 07 02 13 (polymer resin, waste plastic), 10 13 14 (waste concrete or concrete sludge), 17 01 01 (concrete)

Packaging:

- Completely empty the packaging and recycle / dispose in accordance with local legislation.
- EWC entry: 15 01 02 (plastic packaging).

14. TRANSPORT INFORMATION

Special Shipping Information: This product is not listed as a Hazardous Material under TDG, DOT, IMDG, IATA and ADR/RID. No special precautions are needed apart from those mentioned under Section 8.

PIN: Not Applicable

TDG (Canada): Not regulated

DOT (U.S.): Not regulated

ADR/RID: Not regulated

IMDG: Not regulated

IATA: Not regulated

UN Number: Not listed

15. REGULATORY INFORMATION

WHMIS Classification: D2B, toxic.

Globally Harmonized System (GHS) Classification:

Classification: Acute Toxicity Category 5; Skin Irritation Category 3; Eye Irritation Category 2B

HMIS: Health 1; Flammability 1; Physical Hazard 0.

OSHA: This product is not considered a hazardous chemical.

TSCA: This product is exempted from TSCA because it is defined as a mixture.

SARA: This product is not considered a hazardous chemical under section 311 and 312 of the Emergency Planning and Community Right to Know Act (EPCRA) of 1986. This product does not contain any ingredients regulated under Section 313 of the EPCRA, 1986 or 40 CFR 372.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

16. OTHER INFORMATION

Abbreviations:

ACGIH	American Conference of Governmental Industrial Hygienists
ADR/RID	Agreement on the Transport of Dangerous Goods by Road/ Regulations on the International Transport of Dangerous Goods by Rail
CAS#	Chemical Abstract Service number
CPR	Controlled Products Regulations
DOT	U.S. Department of Transportation
EINECS	European Inventory of Existing Commercial Chemical Substances
EPCRA	Emergency Planning and Community Right to Know Act
EWC	European Waste Catalogue
GHS	Globally Harmonized System
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC ₅₀	Lethal Concentration
LD ₅₀	Lethal Dose
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
SARA	Superfund Amendments and Reauthorization Act
TDG	Transportation of Dangerous Goods
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act
TWA	Time Weighted Average (8 hour)
WELs	Workplace Exposure Limits
WHMIS	Workplace Hazardous Materials Information System

16. OTHER INFORMATION CONT'D

Manufacturer's notes

- The information on this data sheet reflects the currently available knowledge and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product, including the use of the product in combination with any other product or any other process, is the responsibility of the user.
- It is implicit that the user is responsible for determining appropriate safety measures and for applying the legislation covering his own activities.