



SMART CONCRETE®

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

## SAFETY DATA SHEET

NOVEMBER 2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:**

- Hydrostop Coating (Part B)

**Other Means of identification:** Hydropel Coating (Part B)

**Product Code:** K-720-B

**Product Use:** Concrete repair and protection

**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:**

Kryton International Inc. 1.800.267.8280 (Business Hours)

Call a poison center or doctor/physician in your country

BC, Canada: BC Drug and Poison Information Centre 604.682.5050

Australia: Poisons Information Centre 13 11 26

US: American Association of Poison Control Centers 1.800.222.1222

**Date SDS Updated:** November 17, 2015

**Date SDS Prepared:** August 1, 2010

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

### 2. HAZARDS IDENTIFICATION

Classification of the Mixture

Classification GHS (5<sup>th</sup> edition)

Skin Irritant	3	H316	Causes mild skin irritation
Eye Irritant	2B	H320	Causes eye irritation
Oral Toxicity	5	H303	May be harmful if swallowed
Inhalation Toxicity	5	H333	May be harmful if inhaled

Hazard Pictograms



Signal Word: Warning

Hazard Statements

H316 Causes skin irritation

H320 Causes eye irritation  
H303 May be harmful if swallowed  
H333 May be harmful if inhaled

#### Precaution Statements

P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been read and understood  
P261 - Avoid breathing spray  
P264 - Wash hands, forearms and exposed areas thoroughly after handling  
P280 - Wear protective gloves, protective clothing, face protection and eye protection  
P301, P330, P331 - If swallowed, rinse mouth, do not induce vomiting.  
P303, P361, P353, P352 - If on skin or hair, remove all contaminated clothing, rinse skin thoroughly and wash with soap and water.  
P304, P340 - If inhaled, remove person to fresh air and keep at rest in position of comfortable breathing  
P305, P351, P338 - If in eyes, rinse with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.  
P310 - Immediately call a poison center or doctor/physician

#### 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.

### 3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

CAS # EINECS	Content (%)	ACGIH TLV- TWA (mg/m <sup>3</sup> )	OSHA PEL-8h TWA (mg dust/m <sup>3</sup> ) T: total, R: Respirable	LD <sub>50</sub> LC <sub>50</sub>	GHS Classification
Acrylic Polymer Proprietary	4-12%	Not Available	Not Available	Not Available Not Available	Skin Irritant 2 H316 Eye Irritant 2B H320 Oral Toxicity 5 H303 Inhalation Toxicity 5 H333

### 4. FIRST AID MEASURES

When contacting a physician, take this SDS with you.

#### Eyes:

- Do not rub eye(s) as additional cornea damage is possible by mechanical stress.
- Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 60 minutes.

#### 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 center

**Inhalation:**

- Remove to fresh air and at rest and in a position of comfortable breathing.
- If breathing has stopped, institute artificial respiration.
- Get medical attention if discomfort remains.

Most Important Symptoms and Effects both Acute and Delayed

Acute: Irritating to skin, eyes and respiratory tract.

Delayed: None known

## 5. FIREFIGHTING MEASURES

**Flammability:** Noncombustible

**Means of Extinction:** Water, Fog, Alcohol-Resistant Foam, Dry Chemical or Carbon Dioxide (CO<sub>2</sub>)

**Flashpoint and Method:** Non-combustible, >200F

**Auto ignition 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, Do not eat, drink or smoke while handling the product to avoid contact with skin or mouth.

## 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<sup>-2</sup>

**VOC content:** 0 g/L, EU (w/w) 0%

**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 SDS 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
LC50	Lethal Concentration
LD50	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

#### **Hazard Statements in Full**

H316 Causes skin irritation  
H320 Causes eye irritation  
H303 May be harmful if swallowed  
H333 May be harmful if inhaled

#### **Precautionary Statements in Full**

P201 Obtain special instructions before use  
P202 Do not handle until all safety precautions have been read and understood  
P261 Avoid breathing spray  
P264 Wash hands, forearms and exposed areas thoroughly after handling  
P280 Wear protective gloves, protective clothing, face protection and eye protection

#### **Responsive Precautionary Statements**

P301, P330, P331 - If swallowed, rinse mouth, do not induce vomiting.  
P303, P361, P353, P352 - If on skin or hair, remove all contaminated clothing, rinse skin thoroughly and wash with soap and water.  
P304, P340 - If inhaled, remove person to fresh air and keep at rest in position of comfortable breathing  
P305, P351, P338 - If in eyes, rinse with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.  
P310 - Immediately call a poison center or doctor/physician

#### **Manufacture'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.