



HYDROSTOP SEALER K-773 WATER REPELLENT CONCRETE SEALER

MATERIAL SAFETY DATA SHEET

MAY 2011

BE SURE. BE KRYTON.

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier:

- Hydrostop Sealer

Other Means of identification: Hydrostop WB

Product Code: K-773

Product Use: Masonry Sealer

WHMIS Classification: D2A 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
Silicone derivative Proprietary	10-30%	Not Available	Not Available	Not Available
Ethyl alcohol 64-17-5 200-578-6 is formed upon contact with water or humid air	< 0.2%	1000 ppm	1000 ppm	7060 mg/kg (oral, rat) 124.7mg/L (inhal, rat)
Octamethylcyclotetrasiloxane 556-67-2 209-136-7	< 0.2%	Not Available	Not Available	>4640 mg/kg (dermal, rabbit) 36 mg/L (inhal, rat)

3. HAZARDS IDENTIFICATION

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

Emergency Overview:

Opaque ivory, mild hydrocarbon odour liquid. It is not combustible or explosive. Short-term exposure to the liquid presents little or no hazard. May irritate eyes, skin and respiratory tract. Overexposure may injure internally if absorbed. Sensitivity reactions may occur from prolonged and repeated exposure. Overexposure by ingestion may injure the following organ(s): Nervous system, brain, thymus, bladder or spleen.

3. HAZARDS IDENTIFICATION CONT'D

WHMIS Symbol: D2A, toxic



Globally Harmonized System (GHS):

Classification: Acute Toxicity Category 5; Skin Irritation Category 3; Eye Irritation Category 2B; Toxic to reproduction Category 1; Specific target organ toxicity following repeated exposure Category 2.

Symbol:



Signal Word: Danger

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
(This products contains trace amount, <0.2%, of Ethyl alcohol and Octamethylcyclotetrasiloxane, which:)
May damage fertility or the unborn child
May cause damage to organ(s): Nervous system, brain, thymus, bladder or spleen

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:

- Quickly and gently blot or brush away excess chemical. Flush skin with water for 15 minutes.
- 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 Section 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, formaldehyde, silicon dioxide and various hydrocarbon fragments.

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 with organic vapor cartridge.
- 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:

- Ethyl Alcohol CAS# 64-17-5 (formed upon contact with moisture)
WELs EH40/2005 (UK), 8 hr TWA, 2007: 1.920 mg/m³
ACGIH TLV-TWA 2000: 1000ppm
OSHA PEL, 8-hr TWA: 1000ppm
- Octamethylcyclotetrasiloxane CAS#556-67-2
WELs EH40/2005 (UK), 8 hr TWA, 2007: Not Available
ACGIH TLV-TWA 2000: Not Available
OSHA PEL, 8-hr TWA: Not Available

Specific Engineering Controls: Use general or local exhaust ventilation or use a properly fitted and NIOSH approved respirator with organic vapor cartridge.

Personal Protective Equipment:

- Gloves: Chemical resistant rubber or nitrile gloves
- Respirator: NIOSH approved and with organic vapor cartridge
- 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 hydrocarbon odour, opaque ivory, thin viscosity liquid

Odour Threshold: Not Available

Specific Gravity: 1g/mL

Vapor Density: Not Available

Vapor Pressure: Not Available

Evaporation Rate: Not Available

Boiling Point: 99 °C

Melting Point: 0 °C

pH : 7

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

9. PHYSICAL AND CHEMICAL PROPERTIES CONT'D

Solubility in Water: Yes
Viscosity: 0.001 N s m⁻²
VOC content (EU): VOC (w/w): <10%
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, which may liberate Carbon oxides, formaldehyde, silicon dioxide and various hydrocarbon fragments.
Hazardous Polymerization: Cannot occur
Possibility of Hazardous Reactions: Water, moisture or humid air can cause Ethyl Alcohol.
Hazardous Decomposition Products: Carbon oxides, formaldehyde, silicon dioxide and various hydrocarbon fragments.

11. TOXICOLOGICAL INFORMATION

Routes of Entry: Skin Contact, Eye Contact, Inhalation and Ingestion
Effects of Acute Exposure to Product:

- May cause eyes, skin and respiratory irritation.

Effects of Chronic Exposure to Product:

- Overexposure may injure internally if absorbed. Sensitivity reactions may occur from prolonged and repeated exposure
- Overexposure by ingestion may injure the following organ(s): Nervous system, brain, thymus, bladder or spleen.

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: Octamethylcyclotetrasiloxane (<0.2% in this product) posts evidence of reproductive effects in laboratory animals.
Teratogenicity: Ethyl Alcohol (<0.2% in this product) posts evidence of teratogenicity (birth defects) in humans.
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 other disposal methods according to local legislation.
- EWC entries: 06 08 99 (silicon derivatives)

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: D2A, toxic.

Globally Harmonized System (GHS) Classification:

Acute Toxicity Category 5; Skin Irritation Category 3; Eye Irritation Category 2B; Toxic to reproduction Category 1; Specific target organ toxicity following repeated exposure Category 2.

HMIS: Health 1; Flammability 0; 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

16. OTHER INFORMATION CONT'D

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

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.