



SMART CONCRETE®

# KRYTONITE™ ADHESIVE K-351 DURABLE ELASTIC ADHESIVE USED WITH KRYTONITE™ SWELLING WATERSTOPS

## MATERIAL SAFETY DATA SHEET

NOVEMBER 2015

### SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

**Trade name:** Krytonite™ Adhesive

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Sector of use	SU3	Industrial uses: Uses of substances as such or in preparations at industrial sites
	SU22	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
Product category	PC1	Adhesives, sealants
Process category	PROC10	Roller application or brushing
Environmental release category	ERC5	Industrial use resulting in inclusion into or onto a matrix
	ERC8c	Wide dispersive indoor use resulting in inclusion into or onto a matrix
	ERC8f	Wide dispersive outdoor use resulting in inclusion into or onto matrix
Application of the substance	Adhesive and sealant	

#### 1.3 Details of the supplier of the safety data sheet

**Supplier:** Kryton International Inc.

Additional information:

**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

#### 1.4 Emergency telephone 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

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

**GHS:** The product is not classified according to the Globally Harmonized System (GHS)


### 2.2 Label elements

**GHS label elements:** Void

**Hazard pictogram:** Void

**Signal word:** Void

**Hazard statements:** Void

NFPA ratings (scale 0-4)		Health = 0 Fire = 0 Reactivity = 0						
HMIS ratings (scale 0-4)	<table border="1"><tr><td>Health Hazard</td><td>0</td></tr><tr><td>Fire Hazard</td><td>0</td></tr><tr><td>Reactivity</td><td>0</td></tr></table>	Health Hazard	0	Fire Hazard	0	Reactivity	0	Health = 0 Fire = 0 Reactivity = 0
Health Hazard	0							
Fire Hazard	0							
Reactivity	0							

### 2.3 Other hazards

**PBT/vPvB assessment:** Not applicable

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Chemical characterisation: mixtures

**Description:** Adhesive based on MS-hybrid-polymer

**Dangerous components:** None

**Additional information:** Not applicable

## SECTION 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

**General information:** No special measures required

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:** Wash with plenty of water or water and soap. In cases of sickness seek medical advice (show label if possible).

**After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:** Drink plenty of water and supply fresh air. Seek medical advice immediately and show the label or packaging.

### 4.2 Most important symptoms and effects – acute and delayed

No further relevant information available

### 4.3 Indication of immediate medical attention and special treatment needed

No further relevant information available

## SECTION 5. FIRE FIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media are CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

### 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

### 5.3 Advice for firefighters

Wear self-contained respiratory protective device.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing and ensure adequate ventilation

### 6.2 Environmental precautions

Do not allow to enter sewers/surface or ground water

### 6.3 Methods and material for containment and cleaning up

Pick up mechanically. Dispose contaminated material as waste according to item 13.

### 6.4 Reference to other sections

No dangerous substances are released

## SECTION 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

No special measures required.

### 7.2 Protection against explosions and fires

No special measures required

### 7.3 Conditions for safe storage

Store product in a cool, dry and well-ventilated area, only in tightly closed original container

### 7.4 Specific end use(s)

No further relevant information available

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

**Ingredients requiring monitoring at the workplace:** The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

### 8.2 Exposure controls

**General protective and hygienic measures:** The usual precautionary measures are to be adhered to when handling chemicals. Do not eat, drink, smoke or sniff while working.

**Respiratory protection:** Not necessary if room is well ventilated

**Hand protection:** Glove material has to be impermeable and resistant to the product. Nitrile rubber (NBR), natural rubber (NR) or polyvinyl alcohol (PVA) gloves are recommended. The exact break through time has to be found by the glove manufacturer and has to be observed.

**Eye protection:** Goggles recommended during refilling

**Body protection:** Light weight protective clothing recommended

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

**Appearance:** Pasty

**Colour:** Grey

**Odour:** Characteristic

**Melting point/Melting range:** Undetermined

**Boiling point/Boiling range:** Undetermined

**Self-ignition:** The product is not self-igniting

**Flash point:** Undetermined

**Explosion danger:** The product does not present an explosion hazard

**Density at 20°C:** 1.4 g/cm<sup>3</sup>

**Solubility in/miscibility with water:** Not miscible or difficult to mix

**Solvent content:** 0.0% organic solvents

### 9.2 Other information

No further relevant information available

## SECTION 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

#### 10.2 Chemical stability

No decomposition if used according to specifications

#### 10.3 Possibility of hazardous reactions

No dangerous reactions known

#### 10.4 Conditions to avoid

No further relevant information available

#### 10.5 Incompatible materials

Avoid contact with other chemicals

#### 10.6 Hazardous decomposition products

Possible in traces

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

**Acute toxicity-dermal:** No irritant effect known

**Acute toxicity-eyes:** No irritant effect known

**Further information:** When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us. The product is not subject to classification according to internally approved calculation methods for preparations:

Carcinogenic categories: **IARC (International Agency for Research on Cancer):**

Titandioxid – 2B

**NTP (National Toxicology Program):**

None of the ingredients is listed

**OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients is listed

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1 Aquatic toxicity

No further relevant information available

### 12.2 Persistence and degradability

Not easily biodegradable

### 12.3 Bioaccumulative potential

No relevant information available

### 12.4 Mobility in soil

No further relevant information available

**General information:** Water hazard class1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### 12.5 Results of PBT and vPvB assessment

PBT Not applicable

vPvB Not applicable

### 12.6 Other adverse effects

No further relevant information available

## SECTION 13. DISPOSAL INFORMATION

### 13.1 Waste treatment methods

**Recommendation:** On the basis of the necessary technical regulations and after consultation with the disposal agent and the relevant authorities, can be disposed of with domestic waste or incinerated with domestic waste

**Uncleaned packagings:** Disposal must be made according to official regulations

## SECTION 14. TRANSPORT INFORMATION

### 14.1 UN number

- DOT, TDG, ADN, IMDG, IATA                      Void

### 14.2 UN proper shipping name

- DOT, TDG, ADN, IMDG, IATA                      Void

### 14.3 Transport hazard class(es)

- DOT, TDG, ADN, IMDG, IATA  
- Class    Void

### 14.4 Packaging group

- DOT, TDG, ADN, IMDG, IATA                      Void

### 14.5 Environmental hazards

- marine pollutant    No

### 14.6 Special precautions for user

Not applicable

### 14.7 Transport in bulk acc. to Annex II of MARPOL73/78 and the IBC code

Not applicable

### UN "Model Regulation"

---

## SECTION 15. REGULATORY INFORMATION

### 15.1 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):** None of the ingredients is listed

**TSCA (Toxic Substances Control Act):** All ingredients are listed

#### Proposition 65

**Chemicals known to cause cancer:** None of the ingredients is listed

**Chemicals known to cause reproductive toxicity for females:** None of the ingredients is listed

**Chemicals known to cause reproductive toxicity for males:** None of the ingredients is listed

**Chemicals known to cause developmental toxicity:** None of the ingredients is listed

#### Carcinogenicity categories

**EPA (Environmental Protection Agency):** None of the ingredients is listed

**TLV (Threshold Limit Value established by ACGIH):** Titanoxid – A4  
Dibutyltin oxide – A4

**NIOSH-Ca (National Institute for Occupational Safety and Health):** Titandioxid

#### Canadian substance listing

**Canadian Domestic Substances List (DSL):** All ingredients are listed

**Canadian Ingredient Disclosure List (Limit 0.1%):** None of the ingredients is listed

**Canadian Ingredient Disclosure List (Limit 1%):** None of the ingredients is listed

GHS label elements	Void
Hazard pictograms	Void
Signal Word	Void
Hazard statements	Void

### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out

## SECTION 16. OTHER INFORMATION

This information is based on the present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### Abbreviations and acronyms:

ICAO: International Civil Aviation Organisation

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

ENECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association

HMIS: Hazardous Materials Identification System (USA)

This Safety Data Sheet gives information about the health-, safety-, toxicology- and ecotoxicology-aspects of the products bas on the knowledge of today. The data cannot be used as a technical specification of the product.