

ACRYLIC SEALER

Product: 003

Revision Date: 2008/05/27

Section 1: PRODUCT INFORMATION

Chemical family: Resin

Manufacturer: Concreation Canada Inc.
582 Rivermede Road, Unit 8
Concord, ON
L4K 2H5
Tel: (905) 482-3837.

Manufacturer emergency phone number: Chemtrec 800-424-9300.

Supplier: Same as manufacturer.

TDG classification: TOLUENE MIXTURE
UN1294
Class 3
PG II.

WHMIS classification:

B2, D2A.



DSL status: The substance(s) listed in section 2 appear on the Domestic Substances List.

Supplier MSDS date: 2008/05/27.

Section 2: HAZARDOUS INGREDIENTS

C.A.S.	CONCENTRATION %	Ingredient Name	T.L.V.	LD/50	LC/50
108-88-3	83.3	TOLUENE	50 PPM (SKIN)	636 MG/KG RAT ORAL 14,100 UL/KG RABBIT DERMAL	49,000 MG/M3/4 HOURS RAT INHALATION 400 PPM/24 HOURS MOUSE INHALATION 10,000 MG/M3 MOUSE INHALATION 30,000 MG/M3/2H MOUSE INHALATION

Section 3: PHYSICAL DATA

Physical state: Liquid.

Appearance & odor: Clear, colourless liquid.
Characteristic odour.

Odor threshold (ppm): Not available.

Vapour pressure (mmHg): 22
(toluene)

Vapour density (air=1): > 1

Volatiles (%)

By volume: Not available.

Evaporation rate 2.24
(butyl acetate = 1): (toluene)

Boiling point (°C): ~110 (toluene)

Freezing point (°C): Not available.

pH: Not available.

Specific gravity @ 20 °C: Not available.

Solubility in water (%): Practically insoluble

Coefficient of water\oil dist.: Not available.

Section 4: FIRE & EXPLOSION DATA

Flammability: Flammable.

Conditions of flammability: Excessive heat, sparks and open flames.
Vapours may travel to a source of ignition and flash back.
Contact with reducing agents or combustibles.
Vapours may form an explosive mixture with air.
Strong oxidizers.

Extinguishing media: Carbon dioxide, dry chemical, foam.
Do not use water except to cool closed containers.

Special procedures: Self-contained breathing apparatus required.
Firefighters should wear the usual protective gear.

Auto-ignition temperature (°C): Not available.

Flash point (°C), method: ~4°C

**Lower flammability
limit (% vol):** 1.1

**Upper flammability
limit (% vol):** 7.1

Explosion Data

Sensitivity to static discharge: Take precautionary measures against static discharge.

Sensitivity to mechanical impact: Not sensitive.

Hazardous combustion products: Oxides of carbon (CO, CO₂).
Various hydrocarbons.

Explosive power: Explosive in presence of sparks and open flame.

Section 5: REACTIVITY DATA

Yes: Stable.

Conditions of instability: Heat, sparks & open flame.
Build up of static electricity.

Hazardous polymerization: Will not occur.

Incompatible substances: Oxidizing agents.
Sulfur oxides.
Acids
Halogens.
Bromine trifluoride.
Nitric acid.
Rubber.
Sulfuric acid (H₂SO₄).
Alkalies.
Nitrogen tetraoxide.
Uranium hexafluoride.
Silver perchlorate.
Tetranitromethane.
1,3-dichloro-5,5-dimethyl-2,4-imidazolidione.
Nitrogen dioxide.
PVC

Hazardous decomposition products: See hazardous combustion products.

Section 6: TOXICOLOGICAL PROPERTIES

Route of entry: Eye contact, skin contact, skin absorption, inhalation and ingestion.

Effects of acute exposure

Eye contact: Eye irritant.
May cause redness and pain.

Skin contact: Severe irritant.
May cause defatting.
Readily absorbed through the skin.
Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.
May cause dermatitis.

Inhalation: May be fatal if breathing high concentrations.
May cause heart arrhythmia.
Coughing, chest pains, pulmonary oedema.
Irritating to the mucous membranes and respiratory system.
Prolonged exposure may cause headache, fatigue, confusion, dizziness, drowsiness, numbness, and unconsciousness.
May cause narcotic or anesthetic effects.
May cause an irregular heartbeat.
Possible asphyxiation.
May cause central nervous system depression.

Ingestion: Gastrointestinal tract irritation.
May be fatal.
May cause nausea, vomiting and diarrhea.
Aspiration of material into lungs may cause chemical pneumonitis.
May result in unconsciousness.

Effects of chronic exposure: May cause liver and kidney damage.
May cause gastrointestinal disturbances.
May cause brain damage.
Pre-existing eye, skin and respiratory disorders may be aggravated.
May cause blood damage.
Embryotoxic effects include passing the placental barrier, detection in maternal milk.

LD50 of product, species & route: Not available for mixture, see the ingredients section.

LC50 of product, species & route: Not available for mixture, see the ingredients section.

Sensitization to product: In susceptible individuals.

Carcinogenic effects: Not listed as a carcinogen.

Reproductive effects: See effects of chronic exposure to product.

Teratogenicity: Not available.

Mutagenicity: Not available.

Synergistic materials: Not available.

Section 7: PREVENTATIVE MEASURES

Precautionary Measures

Gloves/Type:



Wear impervious gloves.
Such as BUNA-N.
Do not use rubber gloves.

Respiratory/Type: If TLV is exceeded.



Wear a NIOSH approved respirator, self-contained or supplied air.

Eye/Type: Splash proof chemical goggles.

Footwear/Type: Safety shoes per local regulations.

Clothing/Type:



Impervious, full protective.

Other/Type: Eye wash facility should be in close proximity.
Emergency shower should be in close proximity.

Ventilation requirements: Explosion proof ventilation equipment.
Local and mechanical exhaust ventilation.

Leak/Spill: Eliminate all sources of ignition.
Dike area to prevent spreading.
Wear appropriate protective equipment.
Ground handling equipment.
Pump liquid into approved drums.
Absorb with non combustible material.
Shovel up.

Waste disposal: In accordance with municipal, provincial and federal regulations.

Handling procedures and equipment: Equipment must be grounded.
Avoid smoking, drinking, or eating during use.
Handle and open container with care.
Keep away from heat, sparks, and open flame.
Avoid breathing vapors/mists.
Avoid skin and eye contact.
Remove contaminated clothing.
Wash clothing before re-use.
Keep container tightly closed.
Wash thoroughly after handling.
Do not use pressure to dispense.
Do not cut, grind, weld or drill empty container.
Do not add any other material to container.
Use non-sparking tools.
Use with explosion proof equipment.
Manipulate under an adequate fume hood.

Storage requirements: Store in a well ventilated area.
Store away from all sources of ignition.
Store away from incompatible materials.
Keep out of direct sunlight.
Store in a cool, dry area in a closed container.

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Special shipping information: See transportation information.

Section 8: FIRST AID MEASURES

Skin contact: Remove contaminated clothing and wash before reuse. Flush area with running water for at least 15 minutes. Seek medical attention immediately.

Eye contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting upper and lower lids. Get prompt medical attention.

Inhalation: Remove victim to fresh air.
If not breathing, qualified personnel should administer artificial respiration.
If breathing is difficult, administer oxygen.
Obtain immediate medical attention.

Ingestion: Obtain immediate medical attention.
Do not induce vomiting or give anything by mouth to an unconscious victim.
If victim is conscious, wash out mouth with water.
If spontaneous vomiting occurs, have victim lean forward with head down to avoid aspiration. Rinse mouth and administer more water.

Additional information: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any inaccuracies.

Section 9: ADDITIONAL INFORMATION

General note: This material safety data sheet was prepared from information obtained from various sources, including product suppliers and the Canadian Center for Occupational Health and Safety.

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