



582 Rivermede Road, Unit 8
Concord, ON L4K 2H5
www.concreationcanada.com

(t) 905 482 3837
(f) 905 482 3879
(tf) 888 937 5799

Material Safety Data Sheet
LOW VOC SOLVENT BASED ACRYLIC SEALER-800012

SECTION 1: IDENTIFICATION

Product Name: SOLVENT BASED DRIVEWAY SEALER
Chemical Family: Solvent Resin Solution
Emergency number: Chemtrec 1-800-424-9300 (24 hours)

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component Name</u>	<u>CAS #</u>	<u>Concentration Wt. %</u>	<u>LD/50, Route, Species</u>	<u>LC/50, Route, Species</u>
Tert-butyl Acetate	540-88-5	40 – 70	4500 mg/kg (Oral) Rat >2000 mg/kg (Dermal) Rabbit	4211 ppm, (6hrs)Inhalation
Xylene	1330-20-7	7 – 13	4300 mg/kg (Oral) Rat 5000 mg/kg (Dermal) Rabbit	6500 ppm (Rat)
Proprietary Solvent	N/A	3 – 7	N/A	N/A
Acrylic Polymer	N/A	15 – 40	N/A	N/A

SECTION 3: HAZARD IDENTIFICATION

Routes of Entry:

Eye Contact, Skin Absorption, Skin Contact, Ingestion, Inhalation.

Effects of Acute Exposure:

Eye Contact

Moderate eye irritant. Effects of eye irritation are reversible.

Ingestion

May cause CNS depression (fatigue, dizziness, and possible loss of concentration with collapse and coma), bronchopneumonia or pulmonary edema.

Inhalation

May cause irritation, headache, nausea, dizziness, drowsiness, anesthesia and may cause other central nervous system effects.
May cause CNS stimulation (increase activity, shaking, tremors)

Skin Contact

May cause drying. Irritant.

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Skin Absorption

Low toxicity

Effects of Chronic Exposure

Prolonged exposure or high exposures may cause CNS effects, liver, adrenal gland and kidney changes. May cause possible loss of concentration, with collapse and coma and death.

SECTION 4: FIRST AID MEASURES

Skin

Wash thoroughly with soap and plenty of water. Flush with lukewarm water for 15 minutes. Remove contaminated clothing and do not reuse until thoroughly cleaned or laundered. Consult a physician if irritation develops.

Inhalation

Remove from contaminated area to fresh air promptly. Give oxygen or artificial respiration as needed. Call a physician promptly.

Ingestion

Give plenty of water to dilute product. Do not induce vomiting. Keep victim quiet. If vomiting occurs, keep victim's head below the hips to prevent inhalation of vomited material. Consult a physician immediately.

Eye

Wash eyes with plenty of water for at least 15 minutes, holding the eyelids open. Seek medical assistance promptly if there is irritation.

Notes to Physician

Treat symptomatically. Treatment of overexposure should be directed at the control of symptoms and clinical condition of the patient.

SECTION 5: FIRE FIGHTING MEASURES

Flammable Properties

Flash Point (°C), Method: ~4.40°C(39.92°F (Closed Cup)

Auto-Ignition Temperature: ~517.8°C(964.04°F)

Lower Flammable Limit (% Vol.): ~1.26 vol%

Upper Flammable Limit (% Vol.): ~6.88 vol%

Extinguishing Media

Foam, dry chemical, water fog, water spray or alcohol-resistant foam.

Do not use solid water stream/may spread fire.

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Hazardous Combustion Products

Carbon Monoxide Carbon Dioxide, water, fumes, smoke,.

Fire Fighting Procedures/ Precautions

Must wear SCBA.

Releases flammable vapors below normal ambient temperatures. When mixed with air and exposed to ignition source, vapors can burn in open or explode if confined. Flammable vapors may be heavier than air and travel long distance along the ground before igniting and flashing back to vapor source. Move containers from fire area if you can do without risk. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Cool containers with flooding quantities of water until well after fire is out. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank. Always stay away from tanks engulfed in fire. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.

SECTION 6: ACCIDENTAL RELEASE MEASURE

Handling Spill/Leak

Extremely flammable. Eliminate all sources of ignition. All equipment used when handling this product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material. Dike large spills and place materials in salvage containers. Water spray may reduce vapor; but may not prevent ignition in closed spaces.

SECTION 7: HANDLING AND STORAGE

Handling

Use only non-sparking tools. Extinguish all ignition sources. Carefully vent any internal pressure before removing closure. Containers must be properly grounded before beginning transfer. Handle empty containers with care; vapor/residue may be flammable. All equipment must conform to applicable electrical code. This material may attack some forms of plastics, rubbers and coatings. Isolate, vent, drain, wash and purge systems or equipment before maintenance or repair. Check atmosphere for explosiveness and oxygen deficiencies. Wear recommended personal protective equipment. Observe precautions pertaining to confined space entry. Do not breathe vapors or spray mist.

Storage

Store closed drums with bung in up position. Store only in tightly closed, properly vented containers away from heat, sparks, open flames and strong oxidizing agents. Containers must be properly grounded before beginning transfer. This material may attack some forms of plastics, rubbers and coatings. Steel drums are recommended for packing.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Personal Protection

Eye / Type: Safety glasses with side shield.

Respiratory/ Type: Not required if ventilation is adequate or use organic vapour cartridge.

Gloves / Type: Butyl rubber or "Viton" gloves.

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Other Protective Measures: Impermeable apron and boots, long sleeves, if splashing is anticipated.

Ventilation requirements: General Mechanical: Adequate
Local Exhaust: Preferred

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear liquid

Physical State: Liquid

Odor: Camphor-like odours

Odor Threshold (ppm): 71 ppb

Specific Gravity: 0.85 – 0.94

pH: Neutral

Boiling Point: >98.0°C

Freezing Point / Melting Point: -58°C

Vapor Pressure : ~41.5 mm Hg @ 25°C

Vapor Density (Air=1): N/D

Evaporation Rate: N/D

Solubility in Water : <0.01% @ 20°C

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability

This material is stable.

Conditions to Avoid

Heat, sparks, open flames, other ignition sources and oxidizing conditions.

Materials to Avoid

Some plastics, Acids, Alkalis, Nitrates, Strong oxidizing agents.

Decomposition Products

Under hot, acidic conditions, the decomposition products are isobutylene and acetic acid. Flammable fumes may arise which are irritating to the eyes and respiratory organs, predominantly consisting of methyl methacrylate, n-butyl methacrylate.

Hazardous Polymerization

Will not occur.

Reactivity Conditions

Strong oxidizing agents may form explosive compounds.

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SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity – Lethal Doses

Tert-butyl Acetate

<u>LD50 (Oral) Acute:</u>	Rat	4500 mg/kg
<u>LD50 (Skin) Acute:</u>	Rabbit	>2000 mg/kg
<u>LC50 (Inhalation, 6hrs):</u>	Rat	4211 ppm

Xylene

<u>LD50 (Oral) Acute:</u>	Rat	4300 mg/kg
<u>LC50 (Skin) Acute:</u>	Rabbit	5000 mg/kg
<u>LC50 (Inhalation):</u>	Rat	6500 ppm

Irritancy of material

Irritant

Sensitizing capability of material

None

Carcinogenicity of material

None known.

Teratogenicity

None known.

Mutagenicity

None known.

Reproductive effects

Not toxic to reproduction.

Exposure Limit

Not established.

SECTION 12: ECOLOGICAL INFORMATION

Biodegradability:

No data

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal:

Do not flush to sewer, may be incinerated in approved facility.

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SECTION 14: TRANSPORT INFORMATION

U.N. #1263

TDG Classification: Flammable, Class 3; Packing Group II

SECTION 15: REGULATORY INFORMATION

WHMIS Classification

B2; D2B; D2A

TSCA

The components of this product are identified in the TSCA Inventory.

CEPA Status

All components of this product are listed on Domestic Substance List (DSL)

SECTION 16: OTHER INFORMATION

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