

Section I-Product Identification

Starpatch Concrete Products
#5-6420 Beresford Street
Burnaby BC V5E 1B6
Emergency Phone # 1-866-779-5278

Revision Date: May 15, 2024

Product Name: S830 and S815 Low VOC Sealer

Product Use: Clear Concrete sealer

Section II- Hazard Identification

II.I Hazard Classification of substance

Carcinogen-Cat. 2

Skin Irritation-Cat. 2

Flammable Liquid-Cat. 2

Specific organ toxicity Central nervous system-Cat. 3

Specific organ toxicity Respiratory Irritant-Cat. 2

Eye Irritation-Cat. 2B

Acute Toxicity Inhalation-Cat. 4

Aspiration Toxicity-Cat. 1

Acute Aquatic Toxicity-Cat. 3

II.II Signal Word: Danger

II.III Hazard Statements

Highly flammable liquid and vapour. May be fatal if swallowed. Harmful if inhaled Causes respiratory irritation. May cause nose, lung and throat irritation. May cause delayed lung injury. May cause cancer through chronic inhalation. Harmful to aquatic life. May cause drowsiness.

II.IV Precautionary Statements

Do not handle until all safety precautions have been read and understood.

Wear impervious gloves, wear eye protection and protective clothing.

Do not eat, drink or smoke while using this product.

Use only in well ventilated area.

Keep away from heat/sparks/open flames.

Keep container tightly closed

Use non sparking tools

Take precautionary measures against static discharge

Use only in outdoor areas

If swallowed immediately call poison control or physician

If inhaled, remove person to fresh air and keep comfortable for breathing

If in eyes, rinse with water for several minutes, if require remove contact lenses and continue rinsing.

If on skin or hair, remove immediately all contaminated clothes and wash before reuse, rinse skin or hair with water.

If significant skin irritation or rash occurs, seek medical attention.

Seek immediate medical attention or advice if symptoms are significant or persist.

Store in a well-ventilated place, keep container tightly closed. Dispose of contents in accordance with regulations.

II.V Additional Information

None

II.VI HNOX-Hazards not otherwise classified

Not applicable

II.VII Unknown Acute Toxicity

None



Signal Word

Danger

Section III- Hazardous Ingredients/Identity Info.

Hazardous Ingredients	CAS Number	% by Weight
Tert Butyl Acetate	540-88-5	50-60
Proprietary Solvent	NA	20-35
Acrylic resin	NA	15-30

Section IV- First Aid Measures

IV.I Description of the first-aid measures General information:

After inhalation: Remove person to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. In case of unconsciousness, place patient stably inside position for transportation.

After skin contact: Wash skin with warm water and soap or a mild detergent. If significant skin irritation or rash occurs get medical advice or attention.

After eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

After swallowing: Do not induce vomiting. If conscious, have the victim drink plenty of water and call a physician immediately. Never give anything by mouth to an unconscious person.

IV.II Most important symptoms/effects, acute and delayed:

Inhalation: May cause respiratory irritation. Causes damage to organs through prolonged or repeated inhalation.

Eye Contact: Immediately flush eyes with lots of water for 10-15 minutes, occasionally lifting the eye lid to ensure thorough rinsing. Get medical attention if irritation persists.

Ingestion: If swallowed, do not induce vomiting. If vomiting occurs keep head lower than hips to avoid aspiration of vomit into lungs which can cause inflammation or pneumonitis. Call poison control center and get immediate medical attention.

IV.III Indication of immediate medical attention and special treatment needed:

Immediately seek medical advice if symptoms are significant or persist.

Section V- Fire Fighting Measures

V.I Flammability of the product: flammable and combustible

V.II Suitable extinguishing agents: Use dry chemicals, CO₂, water spray or alcohol resistant foam or water fog.

V.III Unsuitable extinguishing agents: Do not use a solid stream of water as it may spread the fire.

V.IV Products of combustion: Solvent

V.V Special hazards in presence of various substances: Release flammable vapors below ambient temperatures. When mixed air and exposed to ignition source, vapours can burn in open or explode if

confined. Flammable vapours may be heavier than air and travel long distances along the ground before igniting. Move containers from fire area if possible. Fight fire from maximum distance. Cool containers in fire area by flooding with water until well after the fire has been extinguished. Leave area if sound from cans venting or cans start to discolour. Always stay away from cans that are engulfed in flames. For large fires use unmanned hose holders, if not possible with draw from the area and let the fire burn.

Section VI- Accidental Release Measures

VI.I Personal precautions, protective equipment and emergency procedures: Wear personal protective equipment. Keep unprotected persons away.

VI.II Methods and materials for containment and clean up: Do not allow to enter sewers, surface or ground water. Dispose of unwanted materials and containers properly in accordance with all regulations.

Section VII- Precautions for safe handling and storage

VII.I Handling: Use outdoors only or in well ventilated area. Extinguish all ignition sources. Carefully vent any internal pressure before removing closure. This product may attack some plastics and rubbers. When handling and storing this product, wear appropriate personal protection as outlined in Section VIII.

VII.II Storage: Keep away from heat sparks, open flames and hot surfaces. Do Not Smoke. Take precautions against static discharge. Store only in tightly closed properly vented containers away from heat. Store in a cool dry well-ventilated area.

Section VIII- Exposure Control Measures/Personal Protection

VIII.I components with limit values that require monitoring at the workplace:

Hazardous Component	ACGIH TLV	PEL (OSHA) mg/M ³	NIOSH REL
Tert Butyl Acetate	200 ppm	200 ppm/950 mg/m ³	1500 ppm

VIII.II Exposure Controls:

Use ventilation adequate to keep exposures below the recommended limits

VIII.III General protective and hygienic measures:

Keep away from foodstuffs and beverages. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of the workday. Avoid contact with eyes and skin.

VIII.IV Personal protective equipment

Hands: Wear gloves of adequate length to offer appropriate skin protection from splashes. Chemical resistant, impervious gloves complying with an approved standard.

Eye Protection: Wear approved protection (ensure proper fit)

Respiratory Protection: Use a properly fitted respirator compiling with approved standard. NIOSH approved solvent filter mask or filtering face piece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional, following requirements found in OSHA's respirator standard.

Work practices: Avoid breathing vapor. Avoid contact with eyes. Wash hands and face after use.

Section IX- Physical and Chemical Properties

General Information

Appearance:	Clear Liquid
Physical State	Liquid
Oder	Solvent
Boiling point	Greater than 98 C.
Flash Point	4 C
Auto Igniting	590 C
Evaporation Rate	2.8
Upper/Lower Flammability	6.9%/1.25%
Vapour Pressure	42 mmHg @ 21 C
Density @ 25C	.920
Solubility(water)	Insoluble in water
VOC content	320 g/L VOC

Section X- Stability and Reactivity

X.I Reactivity-Not normally reactive

X.II Chemical Stability- Stable under normal storage conditions.

X.III Possibility of hazardous reaction- No dangerous reaction known under conditions of normal use.

X.IV Thermal decomposition- No decomposition if used according to specifications

X.V Incompatible material- Some plastics, acids, alkalis, nitrates and strong oxidizing agents.

X.VI Hazardous Decomposition or by products- None.

Section XI- Toxicological Information

XI.I Routes of Entry: Inhalation, Ingestion, Skin Exposure.

XI.II Symptoms related to physical/chemical/toxicological characteristics;

Inhalation: May cause respiratory tract irritation. Causes damage to organs through prolonged or repeated exposure. May cause respiratory irritation. May cause drowsiness or dizziness.

Skin contact: Not classified.

Eye Contact: May cause mild, short lasting discomfort. Symptoms may include discomfort or pain, excess blinking and tear production, marked redness and swelling.

Ingestion: Harmful if swallowed. Ingestion may cause discomfort and/or distress, nausea or vomiting.

XI.III Delayed, immediate and chronic effect of short term and long-term exposure.

Short Term- Skin Corrosion/Irritation: Not Classified. Serious Eye Damage/Irritation: May cause mild irritation. Respiratory Sensitization: Not available. Skin Sensitization: Not expected to be a skin sensitization. Specific Target Organ Toxicity-Single Exposure: (Category 3) may cause respiratory irritation. Aspiration Hazard: May be fatal if swallowed and enters the airways.

Long Term Carcinogenicity: May cause cancer through chronic inhalation. Germ Cell Mutagenicity: Not available. Reproductive Toxicity: Not available.

Section XII- Ecological Information

XII.I Ecotoxicity May cause long-term adverse effects to the aquatic environment.

Expected to be harmful to aquatic organisms. May cause long term adverse effects in the aquatic environment. Must not reach bodies of water or drainage ditch undiluted or un-neutralized

XII.II Persistence and degradability: Not readily biodegradable.

XII.II Bio accumulative potential: No further relevant information available.

XII.IV Mobility in soil: This product has low solubility and floats and is expected to migrate from water to land.

XII.V Other Adverse Effects: No further relevant information available.

Section XIII- Disposal Considerations

XIII.I Waste Disposal Method:

Disposal must be made in accordance with local, state and federal regulations.

XIII.II Other disposal considerations:

Uncleaned packaging Recommendation: Disposal must be made in accordance with local, state and federal regulations.

Section XIV- Transport Information

	DOT (US)	TDG (Canada)
UN-Number	UN 1139	UN1139
UN proper shipping name	Coating Solution	Coating Solution
Transport Hazard Class(es)	3	3
Packing Group (if applicable)	II	II

XIV.I Environmental hazards: Harmful to aquatic organisms. May cause long term adverse effects in the aquatic environment.

XIV.II Special precautions for user: Do not handle until all safety precautions have been read and understood.

Section XV- Regulatory Information

XV.I Safety, Health and Environmental Regulations/Legislations specific for the chemical

All components used in this product are on the TSCA Inventory and Canadian DSL

Canada WHMIS Classification: This document complies with the WHMIS requirements of the Hazardous Products Act (HPA) and the HPR.

XV.II US Federal Information

SARA 313

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313.

Section XVI- Other Information

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