

CORNERSTONE COATINGS INC.

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MATERIAL SAFETY DATA SHEET

MANUFACTURER'S NAME: Cornerstone Industrial Consulting Ltd.

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ADDRESS: Box 479, Bruno, SK, S0K 0S0

TRADE NAME: COOLSTONE

SYNONYMS: Latex Polymer

II COMPOSITION/INFORMATION ON INGREDIENTS

<u>NO</u>		<u>CAS NO.</u>	<u>%(optional)</u>
1	Latex Polymer	Not Hazardous	46-48
2	Residual Monomers	Not Required	<0.05
3	Water	7732-18-5	52-54

III PHYSICAL DATA

Appearance: Milky

Color: White

State: Liquid

Odor Characteristics: Mild Odor

PH: 9.3 to 10.2

Viscosity: 10 to 60 CPS

Specific Gravity (Water = 1): 1.0 to 1.2

Vapor Density (air = 1): <1 Water

Vapor Pressure: 17 mm Hg @ 20 C/68 F Water

Melting Point: 0 C/32 F Water

Boiling Point: 100 C/212 F Water

Solubility in Water: Dilutable

Percent Volatility: 52 to 54% Water

Evaporation Rate (BAc = 1): <1 Water

IV HAZARDS IDENTIFICATION

Primary Routes of Exposure

Inhalation

Eye Contact

Skin Contact

Inhalation

Inhalation of vapor or mist can cause the following: headache, nausea, irritation of nose, throat, and lungs

Eye Contact

Direct contact with material can cause the following: slight irritation

Skin Contact

Prolonged or repeated skin contact can cause the following: slight skin irritation

V FIRST AID MEASURES

Inhalation

Move subject to fresh air.

Eye Contact

Flush eyes with water. Consult a physician if irritation persists.

Skin Contact

Wash affected skin areas thoroughly with soap and water. Consult a physician if irritation persists.

Ingestion

If swallowed, give 2 glasses of water to drink. Consult a physician. Never give anything by mouth to an unconscious person.

VI FIRE FIGHTING MEASURES

Flash Point: Noncombustible

Auto-ignition Temperature: Not applicable

Lower Explosive Limit: Not applicable

Upper Explosive Limit: Not applicable

Unusual Hazards

Material can splatter above 100 C / 212 F. Dried product can burn.

Extinguishing Agents

Use extinguishing media appropriate for surrounding fire.

Personal Protective Equipment

Wear self-contained breathing apparatus (pressure-demand NIOSH approved or equivalent) and full protective gear.

VII ACCIDENTAL RELEASE MEASURES

Personal Protection

Appropriate protective equipment must be worn when handling a spill of this material. See SECTION 8, Exposure Controls/Personal Protection, for recommendations. If exposed to material during clean-up operations, see SECTION 4, First Aid measures, for actions to follow.

Procedures

Keep spectators away. Floor may be slippery; use care to avoid falling. Contain spills immediately with inert materials (e.g. sand, earth).

Transfer liquids and solid diking material to separate suitable containers for recover or disposal.

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

VIII HANDLING AND STORAGE

Storage Conditions

Keep from freezing; material may coagulate. The minimum recommended storage temperature for this material is 1 C/34F. The maximum recommended storage temperature for this material is 49 C/120 F.

Handling Procedures

Monomer vapors can be evolved when material is heated during processing operations. See SECTION 8, Exposure Controls/ Personal Protection, for types of ventilation required.

IX EXPOSURE CONTROLS/PERSONAL PROTECTION

NO		CAS NO.		%(optional)	
1	Latex Polymer	Not Hazardous		46-48	
2	Residual Monomers	Not Required		<0.05	
3	Water	7732-18-5		52-54	
COMP		OSHA	ACGIH		
NO.	UNITS	TWA	STEL	TWA	STEL
1		None	None	None	None
2		a	a	a	a
3		None	None	None	None

a: Not Required

Respiratory Protection

A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements or equivalent must be followed whenever workplace conditions warrant a respirator's use. None required under normal operating conditions. Where vapors and/or mists may occur, wear a properly fitted NIOSH approved (or equivalent) half-mask, air-purifying respirator. Air-purifying respirators should be equipped with NIOSH approved (or equivalent) organic vapor cartridges and N95 filters. If oil mist is present, use R95 or P95 filters.

Eye Protection

Use safety glasses with side shields (ANSI Z87.1 or approved equivalent). Eye protection worn must be compatible with respiratory protections system employed.

Hand Protection

The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant material may not provide adequate protection:

- Neoprene

Engineering Controls (Ventilation)

Use local exhaust ventilation with a minimum capture velocity of 100 ft/min. (0.5 m/sec) at the point of vapor evolution. Refer to the current edition of Industrial Ventilation: A Manual of Recommended Practice published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

Other Protective Equipment

Facilities storing or utilizing this material should be equipped with an eyewash facility.

X STABILITY AND REACTIVITY

Instability

This material is considered stable. However, avoid temperatures above 177 C/350 F, the onset of polymer decomposition. Thermal decomposition is dependent on time and temperature.

Hazardous Decomposition Products

Thermal decomposition may yield acrylic monomers.

Hazardous Polymerization

Product will not undergo polymerization.

Incompatibility

There are no known materials which are incompatible with this product.

XI TOXICOLOGICAL INFORMATION

Acute Data

No toxicity data are available for this material.

The information shown in SECTION 3, Hazards Identification, is based on the toxicity profiles for a number of acrylic emulsions that are compositionally similar to this product. Typical data are:

Oral LD50 - rat: >5000 mg/kg

Dermal LD50 - rabbit: >5000 mg/kg

Skin irritation - rabbit: practically non-irritating

Eye irritation - rabbit: inconsequential irritating

XII ECOLOGICAL INFORMATION

No Applicable Data

XIII DISPOSAL CONSIDERATIONS

Procedure

Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. Landfill or incinerate remaining solids in accordance with local, state and federal regulations.

XIV TRANSPORT INFORMATION

US DOT Hazard Class: Non-regulated

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