

**CORNERSTONE COATINGS INC.**

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**MATERIAL SAFETY DATA SHEET**

**MANUFACTURER'S NAME:** Cornerstone Industrial Consulting Ltd.

**REGULAR TELEPHONE NO. (306) 369-2521**

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

**TRADE NAME:** **DECO ART**

**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)
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1	Latex Polymer	Not Hazardous		46-48
2	Residual Monomers	Not Required		<0.05
3	Water	7732-18-5		52-54

COMP NO.	UNITS	OSHA		ACGIH	
		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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