

CORNERSTONE COATINGS INTERNATIONAL INC.

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MATERIAL SAFETY DATA SHEET

I PRODUCT IDENTIFICATION

MANUFACTURER'S NAME: Cornerstone Industrial Consulting Ltd.

REGULAR TELEPHONE NO. (306) 369-2521

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

TRADE NAME: **PROTEC III LIQUID SILICA FUME (LSF) WITH ACRYLIC MEMBRANE**

II COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL OR COMPONENT	CAS NO.	WT %	
Aqua Ammonia	1336-21-6	<0.05	
Ethylene Glycol	111-76-Z	3-4	LD50: 9530mg/kg (skin rabbit) LC50: Not available

III PHYSICAL DATA

Appearance: Milky

Color: White

State: Liquid

Odor Characteristic: Slight Odor

Viscosity: N/A

Specific Gravity: N/A

Vapor Density (Air=1): N/A

Vapor Pressure: N/A

Melting Point: <0C

Boiling Point: >100C

Solubility in Water: Infinite

Evaporation Rate (BAc=1) N/A

IV HAZARDS IDENTIFICATION

Primary Routes of Exposure

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: moderate irritation

Skin Contact

Prolonged or repeated skin contact can cause the following: possible skin irritation. Prolonged or widespread skin contact may result in the absorption of potentially harmful amounts of material.

Ingestion

Slightly toxic. May produce signs of intoxication characterized by in-coordination, dizziness, drowsiness, headache, nausea, mental confusion, possible slurred speech and stupor, depending on the quantity of material ingested. Severe kidney damage results upon ingestion of large volumes of this product. May be fatal.

<u>V FIRST AID MEASURES</u>
<u>Inhalation</u>
Move subject to fresh air
<u>Eye Contact</u>
Flush eyes with a large amount of water for at least 15 minutes. Consult a physician if irritation persists.
<u>Skin Contact</u>
Wash affected skin areas thoroughly with soap and water. Consult a physician if irritation persists.
<u>Ingestion</u>
If swallowed, give 2 glasses of water to drink and induce vomiting. Seek immediate medical attention. Never give anything by mouth to an unconscious person.
<u>VI FIRE FIGHTING MEASURES</u>
Flash Point: Non combustible
Auto-ignition Temperatures: Not applicable
Lower Explosive Limit: Not applicable
Upper Explosive Limit: Not applicable
<u>General Hazards</u>
This product is non-combustible, but if temperatures are high enough it will boil until water is driven off then the remaining resin solids will burn. Toxic gases may be involved during fire.
<u>Extinguishing Agents</u>
Use water to extinguish fire of polymer solids. A self-contained breathing apparatus should be used for all indoor fires.
<u>Hazardous Combustion Products</u>
Carbon monoxide, carbon dioxide, fumes.
<u>VII ACCIDENTAL RELEASE MEASURES</u>
<u>Personal Protection</u>
Appropriate protective equipment must be worn when handling a spill of this material. If exposed to material during clean-up operations, see the FIRST AID MEASURES Section for actions to follow.
<u>Procedures</u>
Keep spectators away. Floor may be slippery; use care to avoid falling. Contain spills immediately with inert materials (eg. Sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.
CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.
<u>VIII HANDLING AND STORAGE</u>
<u>Storage Conditions</u>
Keep containers closed when not in use. Keep from freezing. Store under normal warehouse conditions. Empty product containers may contain product residue. Do not reuse to store foodstuffs or drinking water under any conditions.

<u>IX PERSONAL PROTECTION</u>
<u>Personal Protection</u>
Workmen should avoid all contamination of eyes and skin. Wear safety glasses with side shields, full length PVC or Neoprene gloves and work coveralls. Where the possibility of the inhalation of mist exists, workmen should wear the appropriate respirator.
<u>Engineering Controls (Ventilation)</u>
Not necessary, under normal conditions of use. If application is in an area with no ventilation some passive ventilation should be provided.
<u>X STABILITY AND REACTIVITY</u>
<u>General</u>
This product is stable and hazardous polymerization will not occur under normal conditions.
<u>Incompatible Materials and Conditions to Avoid</u>
Do not contaminate product with any acidic or basic compounds. Do not allow product to freeze.
<u>Hazardous Decomposition</u>
None
<u>XI TRANSPORT INFORMATION</u>
US DOT Hazard Class: Non regulated
PREPARED BY: Cornerstone Coatings International Inc.
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