

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: PREMIUM ACRYLIC CONCENTRATE

SYNONYMS: Acrylic

II HAZARDOUS INGREDIENTS

<u>MATERIAL OR COMPONENT</u>	<u>CAS NO.</u>	<u>%(optional)</u>
<u>HAZARD DATA</u>		
Xylene	001330207	55-80

None of the remaining components are considered a hazardous material or carcinogen (1910-1200 hazard communication (D)(4). Identity withheld as a trade secret.

III PHYSICAL DATA

Boiling Point - 137 C or 278.6 F

Specific Gravity (H2O - 1) - 0.66-0.88

Vapor Density (AIR - 1) - 3.7

Evaporation Rate - 0.72

pH (1% soln) N/A

Melting Point: -48 C (-54.4 F)

Vapor Press - >5 mm of Hg (at 20C)

Solubility - Insoluble

Odor Threshold - 0.2 ppm

IV FIRE AND EXPLOSION DATA

FLASH POINT Solvent portion: Close cup: 24 C (75.2 F)

FLAMMABLE LIMITS IN AIR, % BY VOLUME LOWER 1.1% UPPER 7%

EXTINGUISHING MEDIA: CO2, Alcohol Foam, Water Spray or Dry Chemical

SPECIAL FIRE FIGHTING PROCEDURES: Use self contained breathing apparatus if in enclosed area.

UNUSUAL FIRE/EXPLOSION HAZARD: Temp. over 300⁰F can cause build up in pressure, explosive rupture is possible, therefore use cold water to cool fire-exposed containers.

SPECIAL PRECAUTIONS

PRECAUTIONARY: Storage temperature 32⁰F (0⁰C) / 122⁰F (50⁰C)

OTHER HANDLING AND STORAGE REQUIREMENTS: Ideal storage is 50-81⁰F (10-27⁰C)

D.O.T. Hazard Classification: Combustible liquid

V HEALTH HAZARD INFORMATION

ROUTES OF EXPOSURE

INHALATION: Excessive inhalation of vapours can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness, and even asphyxiation.

SKIN CONTACT: Can be an irritant, use protective clothing. Contact could produce reddening, swelling etc. and skin sensitization and dermatitis in some individuals.

EYE CONTACT: Can cause severe eye irritation, reddening, tearing, and blurred vision.

INGESTION: Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal if swallowed.

EMERGENCY AND FIRST AID PROCEDURES

EYES: Check for and remove any contact lenses. Flush with clean lukewarm water for at least 15 minutes, occasionally lifting eyelids, and obtain medical attention.

SKIN: Remove contaminated clothing. Wash affected areas thoroughly with soap and water. Wash contaminated clothing before re-use.

INHALATION: Move to an area free from risk of further exposure. Administer oxygen or artificial respiration as needed. Obtain medical attention. Asthmatic type symptoms may develop or be delayed. Treat symptomatically.

INGESTION: Do not induce vomiting. Give 250 ml of milk or water to drink. Do not give anything by mouth to an unconscious person. Consult a physician.

VI REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY

INCOMPATIBILITY Avoid contact with acids, bases, and oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS Can form carbon monoxide or carbon dioxide.

CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION None

VII DISPOSAL, SPILL OR LEAK PROCEDURES

WASTE DISPOSAL METHOD Waste methods must conform to federal, state, and local environment control regulations.

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED Evacuate non essential personnel. Ventilate the area. Dike or impound spilled material. Control further spillage. Cover spill with sawdust, Fuller's earth, vermiculite or other absorbent material.

VIII SPECIAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS Exhaust ventilation is required to maintain air concentrations at a minimum and to maintain airborne concentrations below recommended level.

SPECIFIC PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY (SPECIFY IN DETAIL) Use of air supplied respirator is mandatory when .2 mg/m³ is exceeded or concentration is unknown.

EYE Safety glasses with side shields, splash goggles or face shield. Contact lenses not recommended.

GLOVES Chemical resistant gloves.

OTHER CLOTHING AND EQUIPMENT Cover as much exposed skin area as possible with appropriate clothing. If skin creams are used, keep the area covered with cream to minimize.

IX TRANSPORTATION INFORMATION

Xylenes, Class 3, UN 1307, Pk Gp II

Label (s)/Placard (s): Flammable Liquid

Regulated Limit: Xylene: 50 kg Exemptions: Not applicable

US DOT CLASSIFICATION

Xylenes, Class 3, UN 1307, Pk Gp II

Label (s)/Placard (s): Flammable Liquid

Reportable Quantity (CERCLA-RQ): Xylene: 1,000 lb / 45 kg Exemptions: Not applicable

PREPARED BY: Cornerstone Industrial Consulting Ltd.

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