

CORNERSTONE COATINGS INC.

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MATERIAL SAFETY DATA SHEET

I PRODUCT IDENTIFICATION AND USE

PRODUCT NAME: Polar Patch Freezer Cement

EMERGENCY TELEPHONE (306) 369-2521

TRADE NAME: POLAR PATCH

PRODUCT USE: Freezer Patching Material

II HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	CAS NO.	ACGIH TLV	APPROX. WT%	PEL
Quartz	14808-60-7	0.1 mg/qu.m	50-60%	.1 (MSHA)
Trisodium Phosphate Dodecahydrate	10101-89-0	N/A	5-10%	-
Other - Non Regulated			45-30%	-

III PHYSICAL DATA

Physical State: Solid: Powder

Odor & Appearance: Odorless, grayish with some brown grains

Coefficient of Water/Oil Distribution: N/A

Odor Threshold (ppm): N/A

Vapor Density (AIR=1): N/A

Vapor Pressure (mmHg): N/A

Boiling Point C: N/A

Freezing Point: N/A

Specific Gravity (Water=1): N/A

Evaporation Rate (Butyl Acetate=1): N/A

PH (@25 C): N/A

Solubility in Water: N/A

Percentage Volatiles (by volume): None

IV FIRE AND EXPLOSION DATA

CONDITIONS OF FLAMMABILITY: Non Flammable

MEANS OF EXTINCTION: N/A

FLASH POINT (METHOD): N/A

UPPER FLAMMABLE LIMIT (% BY VOLUME): N/A

LOWER FLAMMABLE LIMIT (% BY VOLUME): N/A

AUTO IGNITION TEMPERATURE (C): N/A

HAZARDOUS COMBUSTION PRODUCTS: N/A

MECHANICAL/STATIC DISCHARGE: N/A

VI REACTIVITY DATA

CHEMICAL STABILITY: Stable

INCOMPATIBILITY MATERIALS TO AVOID: Strong Oxidizing Agents (fluoride, ci-trifluoride)

REACTIVITY AND UNDER WHAT CONDITIONS: N/A

HAZARDOUS POLYMERIZATION: Does not occur

VI TOXICOLOGICAL PROPERTIES

PRIMARY ROUTES OF EXPOSURE: Inhalation, skin, eye contact

HEALTH HAZARDS, ACUTE AND CHRONIC:

LD50 OF MATERIAL: N/A

LC80 OF MATERIAL: N/A

EXPOSURE LIMIT: N/A

TLV: 0.1 mg/qu.m. Respirable Dust

TLV: 0.3 mg/qu.m. Total Dust

INHALATION: Irritation. Avoid Breathing Dust

SKIN: Irritation. Burns when in contact

EYES: N/A

INGESTION: N/A

NOTE: INGESTION NOT THE USUAL ROUTE OF EXPOSURE

CHRONIC EFFECTS: Tobacco smoke may further increase the risk of injury

IRRITANCY OF MATERIAL: Exposure may aggravate existing respiratory, skin, or eye conditions

SENSITIZATION TO MATERIAL: N/A

SYNERGISTIC MATERIALS: N/A

VII PREVENTATIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY: An approved dust respirator must be worn if silica exceeds regulation levels (see sec #2)

VENTILATION: Local exhaust or general ventilation adequate to maintain level below 0.1 mg/cu.m; 8 hrs TWA

SKIN: Use protective gloves and work clothes preferably coveralls. Wash clothes after each use.

EYES: Safety glasses with side shield. Use dust goggles when dust conditions present.

LEAK & SPILL PROCEDURE: Use dustless method (vacuum) to contain and remove the product. Do not dry sweep.

WASTE DISPOSAL: Dispose according to Federal, Provincial, and Local Laws and regulations.

STORAGE REQUIREMENTS: Keep in dry, well ventilated areas.

HANDLING PROCEDURES AND EQUIPMENT: Follow the above protective controls. Avoid breakage of pails and spills of bulk. Pickup and re-use when possible.

VIII FIRST AID MEASURES

INHALATION: Remove to fresh air. Dust in throat and nasal passages should clear spontaneously.

SKIN CONTACT: Wash with soap and water.

EYES: Rinse eyes with running water for 15 minutes.

INGESTION: Product hardens when wet and if ingested may result in obstruction. Call physician.

IX PREPARATION AND OTHER INFORMATION

THIS PRODUCT SHOULD NOT BE USED AS AN ABRASIVE BLASTING MEDIUM.

IX PREPARATION DATA

PREPARED BY: Cornerstone Industrial Consulting Ltd.

PHONE: (306) 369-2521

DATE: **January 2010UPDATE**

ABBREVIATIONS

N/A: Not applicable or not available

IARC: International Agency for Research on Cancer

ACGIH: American Conference of Governmental Industrial Hygienists

NIOSH: National Institute for Occupational Health and Safety

NTP: National Toxicology Program

TLV: Threshold Limit Values

These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied is hereby made. The recommended Industrial Hygiene and Safe Handling Procedures are believed recommendations in the specific context of the intended use and determine whether they are appropriate.