

Industrial Floor Cleaner

DESCRIPTION

C-Clean is a dust-free, granular product designed for heavy duty floor cleaning. **C-Clean** is phosphate and nitrate free, making it a very safe product to use. It replaces solvent-based cleaners, eliminating the harsh odors, fire hazards, and heavy protective gear required when solvent cleaners are used. **C-Clean's** unique formulation and low foam characteristics allow **C-Clean** to penetrate and remove grease, tar, oil, and other ground in soils quickly and easily. **C-Clean** works well in cold water, but warm water is recommended in order to speed up solubility. It contains pine oil, which is effective ingredient in cleaning and deodorizing, as well as giving **C-Clean** a pleasant scent.

C-Clean is an excellent choice for cleaning areas such as warehouses, food plants, mechanic shops, patios, kitchens and all types of concrete floors. It can be used as a wall cleaner prior to painting, and also on non-waxed floors. **C-Clean** is free rinsing and will not leave a residue.

DIRECTIONS

Direct Method:

Wet area to be cleaned with warm water. Sprinkle **C-Clean** liberally over surface. Brush with stiff broom or scrub brush. Let stand 5 to 10 minutes and hose off.

Alternative method:

Mix a solution of approximately 3 oz per gallon of hot water (22 grams/liter) (1:40), and mop into surface. After standing for approximately 5 minutes, rinse using clean warm water, changing water often, until all dirt is removed.

PHYSICAL DATA

Appearance	Powder
Color	Yellow
Odor	Pine
Foam	Low
pH (3.1%)	12.5 - 13.0

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **C-CLEAN**

WHMIS CODE: E
 Proper Shipping Name: CORROSIVE SOLID, N.O.S.
 (sodium metasilicate)
 Hazard Class: Class 8, PG III
 UN Number: UN1759

Product Use: *Industrial floor cleaner.*

HMIS	
3	Health
0	Flammability
0	Reactivity
B	Personal

M-chem Technologies Inc.
 1607 Derwent Way
 Delta, BC V3M 6K8, Canada
 Phone: (604) 526-5655

EMERGENCY PHONE
 Canada: Canutec 613-996-6666
 U.S.A.: Chemtec 800-424-9300

A=Goggles, B=Goggles & Gloves
 C=Goggles, Gloves and Apron

ABBREVIATION KEY: N/A=Not Applicable, N/E=Not Established, N/D=Not Determined, > =Greater Than

SECTION 2 – HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS NO.	RANGE %	PEL	TLV
SODIUM METASILICATE LD50 (oral rat) 1153 mg/kg LD50 (dermal) No Data LC50 No Data	6834-92-0	40.0-60.0	N/A	No Tox Data
SODIUM CARBONATE LD50 (oral rat) 2800 mg/kg LD50 (dermal) No Data LC50 No Data	497-19-8	10.0-15.0	15 mg/m3	10 mg/m3
PINE OIL LD50 (oral rat) 7400 mg/kg LD50 (dermal) Not Available LC50 Not Available	8002-09-3	1.0-5.0	N/A	N/A
ALCOHOL ETHOXYLATE LD50 (oral rat) 1376 mg/kg LD50 (dermal rabbit) >2 g/kg	68439-46-3	1.0-5.0	N/A	N/A

SECTION 3 – PHYSICAL DATA

Color and Odor: Yellow, pine odor. **Boiling Point:** N/D **Vapor Pressure (mm HG):** N/D **pH:** 12.0-13.0 (3.1% solution).
Physical State: Powder. **Melting Point:** N/A **Vapor Density:** N/D **Specific Gravity:** Powder.
Coef. Water/Oil Dist: Greater than 1.0 **Evaporation Rate:** N/D **Solubility in Water:** Soluble **Odor Threshold:** No Data

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: None. **Sensitivity to Mechanical Impact:** None. **Extinguishing Media:** Not flammable.
Flammable Limits: None known. **Sensitivity to Static Discharge:** None. **Auto ignition Temperature:** None known.
Conditions of Flammability: None.
Unusual Fire and Explosion Hazards: None known.
Hazardous Combustion Products: Decomposition may produce oxides of carbon and sodium.
Special Fire Fighting: Wear full protective equipment, including a NIOSH/MSHA approved, self-contained breathing apparatus for fire fighting situations. Use water spray to cool all nearby fire exposed surfaces.

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable under normal storage conditions. **Hazardous Polymerization:** Will not Occur.
Incompatibility (material to avoid): Strong acids.
Hazardous Decomposition Products: Decomposition may produce oxides of carbon and sodium.

SECTION 6 – TOXICOLOGICAL DATA

Exposure Limits: See Section 2 under Hazardous Ingredient. **Routes of Entry:** Skin, eyes, inhalation.
Irritancy of Product: Corrosive to skin, eyes and respiratory system. **Carcinogenicity:** None known.
Sensitization: None known. **Mutagenicity:** None known.
Name of Toxicological Synergistic Product: None known. **Reproductive Toxicity:** None known.
Teratogenicity: None known.
Effects of Chronic Exposure: Prolonged or repeated exposure may cause skin irritation or dermatitis, respiratory disorder, or lung damage.
Effects of Acute Exposure to Product: Product exposure may burn eyes and irritate or burn skin. Inhaling vapors or mists may cause respiratory discomfort such as breathing problems, burning, coughing, etc. Ingestion may cause gastrointestinal and abdominal discomfort.

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: Use a NIOSH/MSHA approved acid gas respirator for vapors and a dust/mist respirator for misting or spraying operations.
Ventilation: Good general ventilation or local exhaust ventilation for spraying and misting in confined areas.
Protective Gloves: Natural or butyl rubber, nitrile or neoprene gloves. **Eye Protection:** Chemical goggles, safety goggles or glasses.
Protective Clothing and Equipment: Long sleeve coveralls. Eye wash recommended in the immediate work area.
Storage and Handling Procedures: Use good industrial hygiene. Do not get in eyes. Avoid contact with skin and clothing. Avoid breathing sprays or mists. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Do not mix with any other chemicals. Store at temperatures below 30°C (86°F) and keep from freezing.
Disposal Procedures for Spills or Leaks: Wear protective equipment. Dike and contain large spills. For small spills, soak up with a suitable absorbent such as clay, soil or commercially available absorbents, and then dispose of into an approved waste container. Keep away from sewers and out of natural waters.
Waste Disposal Method: Reuse if possible, or otherwise dispose recovered material in accordance with all local, Provincial or Federal Regulations.
Special Shipping Information: Store at temperatures below 30°C (86°F) and keep from freezing.

SECTION 8 – EMERGENCY FIRST AID PROCEDURES

First Aid:
 If swallowed, give plenty of clean water to drink to dilute product. Do not induce vomiting. Call a Physician. In case of contact with eyes, flush with clean water for 15 minutes. Get medical attention. For contact with skin, wash with clean water and rinse well. If irritation occurs or persists, get medical attention.

PREPARATION DATA