

Material Safety Data Sheet

Section 1 Product Identification

Product Name: **Heavy Duty Powdered Floor Cleaner**
Formula type: Alkaline detergent

Manufacturer's Name:

Chem-Tech, Inc.
6551 Jansen Avenue NE – Suite 106
Albertville, MN 55301

Emergency: 800-535-5053
Information: 763-417-1380
Fax: 763-417-1389

Section 2 Hazardous Ingredients

<u>Chemical Name</u>	<u>CAS#</u>	<u>%</u>	<u>Threshold Limit Value (TLV)</u>	<u>Permissible Exposure Limit (PEL)</u>
Sodium metasilicate	6834-92-0	50-60	2mg/m ³ dust	2mg/m ³ dust
Sodium carbonate	497-19-8	20-30	NE	NE
Sodium tripolyphosphate	7758-29-4	10-20	NE	NE
Detergent – proprietary		4-10	NA	NA

Section 3 Physical Data

Form: Powder
Color: Orange/yellow
Odor: Pine
Specific Gravity = NA
Boiling Point °F: NA
Evaporation Rate (n-Butyl acetate = 1): NA

pH (1%): 11.4- 11.8
Solubility in Water: Moderate
Vapor Density (Air = 1): NA
% VOC: 0
Vapor pressure: NA

Section 4 Fire and Explosion Information

Flash Point (Method) F: NA

Unusual Fire and Explosion Hazards: When wet, contact with metal can form hydrogen gas that is flammable and can form explosive mixtures with air.

Extinguishing Agents: NA

Fire fighting methods: Use methods appropriate for the primary source of the fire.

Section 5 Health Hazard Data – Signs and Symptoms of Overexposure:

Probable Routes of Entry: Eyes, skin, inhalation

Eyes: Direct contact will cause severe irritation and burns if not properly treated. Effects may range from mild to irreversible damage and blindness depending upon length of exposure, solution concentration and first aid measures.

Skin: This product contains materials that can cause severe skin irritation. Prolonged or repeated contact may result in burns and irreversible damage. Prolonged exposure to diluted product can cause irritation.

Inhalation: Overexposure by inhalation of dust may lead irritation in respiratory tract, producing a burning, choking sensation. Caution should be taken to prevent atomizing or misting of this product without proper respiratory protection.

Ingestion: Ingestion is not expected to be a primary route of exposure. Do not ingest. Material will cause severe burns in mouth, throat and stomach. Note: Aspiration is a secondary hazard and should be expected. Product will attack lining of esophagus and stomach.

Section 6 Emergency First Aid Procedures

Eyes: Check for and remove contact lenses. Flush immediately with copious amounts of water for 15 minutes while holding eyelids apart to ensure complete irrigation of eye and eyelid tissues. Take exposed individual immediately to a health care professional, preferably an ophthalmologist, for emergency first aid and further evaluation.

Skin: Remove contaminated clothing. Immediately wash exposed area with copious amounts of water. Repeat washing. If redness or irritation occurs, seek immediate medical attention. Launder contaminated clothing before reuse.

Inhalation: If exposure by inhalation is suspected, immediately move exposed individual to fresh air. If individual experiences nausea, headache, dizziness, has difficulty breathing or is cyanotic, seek a health care professional immediately. Administer CPR if necessary.

Ingestion: Drink 1-2 large glasses of milk or water. Obtain immediate medical aid or call poison control. Do not induce vomiting unless directed by a physician. During vomiting there is a danger of aspirating liquid into lungs, causing serious damage and chemical pneumonitis. If spontaneous vomiting occurs, keep head below hips to prevent aspiration and monitor for breathing difficulty. Gastric lavage should be performed only by qualified medical personnel. Keep affected person warm and at rest. Seek immediate medical attention or call 911.

Section 7 Reactivity Data

Stability: Stable at room temperature (68F) when stored and used under proper conditions.

Incompatibility: Avoid contact with acids and oxidizing materials. When wet contact with metals can form flammable hydrogen gas.

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide

Hazardous Polymerization: Will not occur.

Section 8 Spill & Leak Procedures

Procedures for Cleanup: Wear protective gear. Small spills: Sweep up and rinse with water.

Large Spills: Evacuate area. Block potential routes to water systems (sewers, streams, etc.) with inert material such as sand or dirt. Salvage for reuse if possible. Place into disposal containers. Wash down affected areas with clear water. RCRA regulated. Call local Emergency Response agency to report spill.

Waste Disposal: Contact the proper county, state or federal authorities. RCRA regulated.

Section 9 Special Protection Information

Ventilation Type Required: Use adequate ventilation when working with material in an enclosed area. Mechanical methods such as fume hoods or area fans may be used to reduce localized dust areas. If dust is generated when the material handled, adequate ventilation in accordance with good engineering practice must be provided to maintain concentrations below the specified exposure.

Eye Protection: Eye protection must be worn. Wear safety glasses with side shields or vented splash proof goggles.

Protective Gloves: Impervious gloves such as neoprene or nitrile rubber to avoid skin sensitization and contact.

Respiratory Protection: None required if airborne concentrations are maintained below threshold limits. Where dust may occur, wear an MSHA/NIOSH approved half mask form dust/mist air purifying respirator.

Other Equipment: Eyewash stations and showers should be available in areas where this material is used and stored. Rubber apron and boots.

Section 10 Special Precautions

Product should be stored between 40 and 95°F. Store out of direct sunlight. Keep out of reach of children. Keep container closed when not in use. For industrial and institutional use only. Mix only with water. Thoroughly rinse empty containers before disposal. Use only in well ventilated area. Do not breathe dust. Wash hands thoroughly after handling.

Section 11 Toxicity Data

Carcinogenicity: NTP: No IARC: No OSHA: No

Section 12 HMIS Hazard Rating

0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe
Health: 2 Reactivity: 1 Fire: 0 Special: personal protection: B (gloves & glasses)

Section 13 Regulatory

RCRA regulated

Section 14 Shipping Name

Corrosive solid, basic, inorganic, n.o.s., (disodium trioxosilicate), 8, UN3262, PGIII

Section 15 Documentary Information

Date issued: 1-12-2005 Supercedes: 5-03-03 Reason for update: address update

ABBREVIATIONS: NA = NOT APPLICABLE NDA = NO DATA AVAILABLE
> = GREATER THAN <=LESS THAN ND= NOT DETERMINED

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