

# Material Safety Data Sheet

**Product:**  
**Hartland Heavy Duty Powdered Floor Cleaner**

**Phone: 800-658-9051**

Date of Preparation: 02-13-06

## Section 1 – Chemical Product and Company Identification

**Synonyms:** Not applicable - mixture  
**Form:** Powder  
**CAS No:** Not applicable - mixture  
**Supplier:** Hartland Lubricants & Chemicals, 914 Commercial Court, Onalaska, WI 54650

## Section 2 – Composition / Information on Ingredients

Ingredient	CAS No	%	Exposure limits
Sodium metasilicate	6834-92-0	60±10	TLV:2mg/m <sup>3</sup> dust PEL:2mg/m <sup>3</sup> dust
Sodium carbonate	497-19-8	15±10	None established
Trisodium phosphate	7601-54-9	20±10	AIHA:5 mg/ m <sup>3</sup>
Sodium tripolyphosphate	15091-98-2	10±10	PEL: 5 mg/ m <sup>3</sup> TLV:3 mg/m <sup>3</sup>
Detergents	proprietary	15±10	None established

Balance of ingredients are not hazardous as defined by OSHA

## Section 3 – Hazard Identification

### Emergency Overview

**24 Hour Professional Emergency Resource Services (PERS) 800-633-8253**

Primary routes of entry: skin contact, inhalation, or eye contact.

Acute exposure: severe eye and skin irritant

HMIS Rating: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Health = 2 Reactivity = 0 Fire = 0 Personal protection: gloves and glasses

### Possible Health Effects

**Inhalation:** If dust is inhaled, can cause severe respiratory irritation, coughing, sore throat, and labored breathing.

**Ingestion:** Corrosive. If swallowed, can cause severe irritation or burns to the gastrointestinal tract.

**Skin Contact:** Can cause severe irritation or burns depending upon length of exposure and treatment.

**Eye Contact:** Can cause severe irritation or burns depending upon length of exposure and treatment.

**Chronic Exposure:** Severe irritation or burns

**Aggravation of Pre-existing Conditions:** Pre-existing skin diseases

## Section 4 – First Aid Measures

**Inhalation:** Remove to fresh air. Get immediate attention for any breathing difficulty. Administer CPR if needed.

**Ingestion:** Give several glasses of water to drink to dilute product. Do not induce vomiting unless directed by a physician. Obtain immediate medical aid or call poison control. During vomiting there is a danger of aspirating liquid into lungs, causing 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.

**Skin Contact:** Immediately flush skin with cool water for at least 15 minutes. Remove contaminated clothing and shoes. Obtain medical attention if irritation develops. Launder clothing before reuse. Thoroughly clean shoes before reuse.

**Eye Contact:** Immediately flush eyes with cool water for at least 15 minutes while lifting upper and lower eyelids occasionally. Get immediate medical attention.

### Section 5 – Fire Fighting Measures

**Fire:** Not considered to be a fire hazard.

**Unusual fire / Explosion Hazards:** Not considered an explosion hazard. Contact with soft metals may form flammable hydrogen gas.

**Fire Extinguishing Media:** Use any means suitable for extinguishing surrounding fire. Foam, carbon dioxide, dry chemical, water for, or water may be suitable.

**Special Information:** In the event of a fire, wear full protective gear and NIOSH-approved self-contained breathing apparatus that is appropriate for the primary cause of fire. Containers can melt from the heat of a fire. Prolonged contact with soft metals may produce hydrogen gas which is flammable.

### Section 6 – Accidental Release Measures

Remove all sources of ignition. Ventilate area of leak or spill. Wear appropriate protective equipment as specified in Section 8.

**Spills:** Small spills: Sweep up. Mop thoroughly and rinse with water.  
 Large Spills: Evacuate area. Eliminate ignition sources. Block potential routes to water systems (sewers, streams, etc.) with inert material such as sand or dirt. Containerize for reclamation or disposal. Wash down affected areas with clear water. CERCLA regulations may require reporting spills and releases to soil, water, and air. Call local Emergency Response agency to report spill.  
 Waste Disposal: Contact the proper county, state or federal authorities.

### Section 7 – Handling and Storage

Keep out of reach of children. Keep container closed when not in use. Empty containers may contain product residues – observe all warnings and precautions. Store away from sources of heat and incompatibilities.

### Section 8 – Exposure controls / Personal Protection

**Airborne Exposure Limits:** See section 2

**Ventilation System:** Local and/or general exhaust is recommended to keep exposure (dust) below limits.

**Personal Respirators:** Not needed under normal use conditions. Where dust is generated and ventilation is not adequate, wear a NIOSH particulate respirator for particulate.

**Skin Protection:** Compatible chemical-resistant gloves and clean body-covering clothing. Maintain quick-drench facility in the work area.

**Eye Protection:** Use chemical safety glasses or goggles. Maintain eye wash fountain in the work area.

### Section 9 – Physical and Chemical Properties

<p><b>Appearance:</b> Orange powder</p> <p><b>Odor:</b> Pine</p> <p><b>Solubility:</b> Appreciable</p> <p><b>Specific Gravity:</b> NA</p> <p><b>pH: (1% solution)</b> 11.5 – 11.9</p>	<p><b>Boiling Point:</b> NA</p> <p><b>Melting Point:</b> NA</p> <p><b>Vapor Density (Air = 1)</b> NA</p> <p><b>Vapor Pressure (mm Hg)</b> NA</p> <p><b>Evaporation Rate (BuAc=1)</b> NA</p> <p><b>% VOC</b> Less than 1.0</p>
---	---

### Section 10 – Stability and Reactivity

**Stability:** Stable at room temperature.

**Hazardous Decomposition Products:** Carbon dioxide or carbon monoxide; silicic acid when heated to decomposition

**Hazardous Polymerizations:** Will not occur.

**Incompatibilities:** Strong oxidizers and acids; fluorine

**Conditions to Avoid:** Incompatibles.

### Section 11 – Toxicological Information

Ingredient	-----NTP Carcinogen-----		IARC Category
	Known	Anticipated	
Sodium metasilicate	No	No	None
Sodium carbonate	No	No	None
Trisodium phosphate	No	No	None
Sodium tripolyphosphate	No	No	None
Detergents	No	No	None

### Section 12 – Ecological Information

**Ecological Fate:** Product is biodegradable

**Ecological Toxicity:** No data

### Section 13 – Disposal Considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations.

Dispose of container and unused contents in accordance with federal, state and local requirements.

### Section 14 – Transport Information

**Domestic (Land, D.O.T.)**

**Proper shipping Name:** Corrosive Solid, basic, inorganic, n.o.s. (disodium trioxosilicate), 8, UN3262, PG III

**Hazard Class:** 8

### Section 15 – Regulatory Information

**• Chemical Inventory Status - part 1 •**

Ingredient	TSCA	EC	Japan	Australia
Sodium metasilicate	Yes	Yes	Yes	Yes
Sodium carbonate	Yes	Yes	Yes	Yes
Trisodium phosphate	Yes	Yes	Yes	Yes
Sodium tripolyphosphate	Yes	Yes	Yes	Yes
Detergents	Yes			

**• Chemical Inventory Status – part 2 •**

Ingredient	Korea	-----Canada-----		Philippines
		DSL	NDSL	
Sodium metasilicate	Yes	Yes	No	Yes
Sodium carbonate	Yes	Yes	No	Yes

