Material Safety Data Sheet

Product:

Hartland Heavy Duty Powdered Floor Cleaner

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 &

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 ³ dust PEL:2mg/m ³ dust
Sodium carbonate	497-19-8	15±10	None established
Trisodium phosphate	7601-54-9	20±10	AIHA:5 mg/ m^3
Sodium tripolyphosphate	15091-98-2	10±10	PEL: 5 mg/ m^3 TLV:3 mg/ m^3
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 protect	ion: gloves and	ł 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-existin	g 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.

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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

Not considered to be a fire hazard. Fire: **Unusual fire / Explosion** Not considered an explosion hazard. Contact with soft metals may form flammable hydrogen gas. Hazards **Fire Extinguishing** Use any means suitable for extinguishing surrounding fire. Foam, carbon dioxide, dry chemical, Media: water for, or water may be suitable. In the event of a fire, wear full protective gear and NIOSH-approved self-contained breathing Special apparatus that is appropriate for the primary cause of fire. Containers can melt from the heat of a **Information:** 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. Small spills: Sweep up. Mop thoroughly and rinse with water. **Spills:** 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 guickdrench 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 **Appearance: Boiling Point:**

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

	Section 10	– Stability and	l Reactivity	/	
Stability:	Stable at room tempe	rature.			
Hazardous Decomposition Products:	Carbon dioxide or car	rbon monoxide; silici	c acid when hea	ted to decompos	stion
Hazardous Polymerizations:	Will not occur.				
Incompatibilities:	Strong oxidizers and	acids; fluorine			
Conditions to Avoid:	Incompatibles.				
	Section 11 –	Toxicological	Informatio)n	
			Carcinogen		
Ingredient		Known	Antici		IARC Category
Sodium metasilicate		No	N	-	None
Sodium carbonate		No	N		None
Trisodium phosphate		No	N	-	None
Sodium tripolyphosphate Detergents		No No	N N	-	None None
	Section 12	– Ecological I	nformation	l	
Ecological Fate: Pr	oduct is biodegradable				
Ecological Toxicity: N	o data				
Whatayan connat he caved		- Disposal Con			t to a DCDA approx
Whatever cannot be saved incinerator or disposed in a waste management options. S	for recovery or recycli RCRA approved waste State and local disposal	ng should be handle facility. Processing, regulations may diffe	ed as hazardous , use or contam r from federal d	waste and sen ination of this p isposal regulation	product may change
incinerator or disposed in a	for recovery or recycli RCRA approved waste State and local disposal ised contents in accorda	ng should be handle e facility. Processing, regulations may diffe nce with federal, state	ed as hazardous , use or contam r from federal d e and local requi	waste and sen ination of this j isposal regulation rements.	product may change
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incinerator or disposed in a waste management options. S Dispose of container and unu omestic (Land, D.O.T.) Proper shipping Name: Hazard Class: • Chemical Inventory Status Ingredient Sodium metasilicate	for recovery or recycli RCRA approved waste State and local disposal used contents in accordat Section 14 Corrosive Solid, ba 8 Section 15	ng should be handle e facility. Processing, regulations may diffe nce with federal, state – Transport I asic, inorganic, n.o.s. – Regulatory I <u>TSCA</u> Yes	ed as hazardous , use or contam r from federal d e and local requi nformation (disodium trioxo Informatio <u>EC</u> Yes	waste and sen ination of this p isposal regulation rements. bosilicate), 8, UN n <u>Japan</u> Yes	3262, PG III Australia Yes
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Tuiss diamark and a set	Vac	Var	Na	Var	
Trisodium phosphate	Yes Yes	Yes	No	Yes Yes	
Sodium tripolyphosphate Detergents	res	Yes	No	Yes	
• Federal, State & International Regulation	s – part 1 •				
		SARA 302		SARA 313	
Ingredient	RQ	TPQ	List	Chemical Catg.	
Sodium metasilicate	No	No	No	No	
Sodium carbonate	No	No	No	No	
Trisodium phosphate	No	No	No	No	
Sodium tripolyphosphate	No	No	No	No	
Detergents	No	No	No	No	
• Federal, State & International Regulation	$s - part 2 \bullet$				
Ingredient		A RCRA 26	51.33	TSCA 8(d)	
Sodium metasilicate	No	No		No	
Sodium carbonate	No	No		No	
Trisodium phosphate	5000	No		No	
Sodium tripolyphosphate	No	No		No	
Detergents	No	No		Yes	
Chemical Weapons Convention: No		TSCA 12(b)	No	CDTA: No	
SARA 311/312: Acute: Yes	Chronic: Yes	Fire	No	Pressure: No	
Reactivity: No					
•	information found.				
Australian Hazenein Coue. 110					

WHMIS: This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains information required by the CPR.

Section 16 – Other Information

Revision Notes:

Disclaimer:

Please be advised that it is your responsibility to inform your employees of the hazards of this substance, to advise them of what these properties mean and be sure they understand exposure information.

The information presented herein, while not guaranteed, was prepared by competent technical personnel and is true and accurate to the best of our knowledge. No warranty or guaranty, express or implied, is made regarding performance, stability, or otherwise. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, and storage. Other factors may require additional safety or performance considerations. While our technical personnel will be happy to respond to questions regarding safe handling and use procedures, the handling and use remains the responsibility of the customer. No suggestions are intended as, and should not be construed as, a recommendation to infringe on any existing patents or to violate any Federal, State, or local laws.