Material Safety Data Sheet

Section 1 Product Identification

Product Name: **Hartland Wash & Shine** Formula type: oil/water emulsion

Supplier's Name:

Hartland Lubricants & Chemicals 914 Commercial Court Onalaska, WI 54650

Emergency Telephone: 800-633-8253

Information: 800-658-9051 Fax: 608-779-5137

Section 2 Hazardous Ingredients

			Threshold Limit	Permissible
Chemical Name	CAS#	%	Value (TLV)	Exposure Limit (PEL)
Mineral seal oil	64741-44-2	3-5	400 ppm	400 ppm
Quaternary ammonium compounds, dicoco alkyldimethyl chlorides	73398-64-8	2-4	NE	NE
Detergents (proprietary)		10-15	NE	NE

Section 3 Physical Data

Form:	Liquid	
Color:	Red	
Odor:	Cherry	
Specific C	Gravity (Water = 1): 0.98 -	· 1.02
Boiling Po	oint °F: greater than 212	
Evaporati	ion Rate (Water = 1): simi	lar to water

pH as is: 6.0 - 7.5 pH (1% vol): 6.5 - 7.5 Solubility in Water: Complete Vapor Density (Air = 1): >1 % VOC: 4-5 Vapor pressure: similar to water

Section 4 Fire and Explosion Information

Flash Point (Method) F: > 260 PMCC

Unusual Fire and Explosion Hazards: can form combustible mixtures with air when heated. Extinguishing Agents: Carbon dioxide, dry chemical, or foam. Water stream may spread fire, use water spray only to cool containers exposed to fire. If leak or spill has not ignited, use water spray to disperse the vapors. Fire Fighting Methods: Wear full protective equipment and self-contained breathing apparatus. Containers can melt or rupture from the heat of a fire.

Flammability Limits % (Vol): Lower: 0.7 Upper: 6.0

Autoignition temperature: 490° F

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

Probable Routes of Entry: Eyes or skin

Eyes: Severe irritation, tearing

Skin: Irritation, redness or dryness upon prolonged contact

Inhalation: Headache, nasal and respiratory irritation, nausea, drowsiness, fatigue, and central nervous system depression.

Ingestion: Headache, nausea, drowsiness, fatigue, pneumonitis, pulmonary edema, central nervous system depression. Aspiration hazard.

Medical Conditions Aggravated by Exposure: Pre-existing skin disorders or abrasions.

Section 6 Emergency First Aid Procedures

- Eyes: Immediately flush eyes with cool running water for at least 15 minutes. Obtain medical aid if irritation develops.
- Skin: Wash skin with cool water and soap. Obtain medical aid if irritation develops. Remove contaminated clothing and launder.
- Inhalation: Remove to fresh air. Monitor breathing. Obtain immediate medical aid. Administer CPR if needed.

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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

Incompatibility: Strong oxidizing agents, alkalis, and acids

Hazardous decomposition products: Incomplete combustion can yield carbon monoxide and various

hydrocarbons.

Hazardous polymerization: Will not occur

Section 8 Spill & Leak Procedures

Procedures for Cleanup: Wear safety equipment. For small spills, mop up and rinse with water. For large spills, area will be slippery. Eliminate flames and ignition sources. Dike product with sand or dirt. Keep out of surface waters. Salvage for reuse if possible. Otherwise place into suitable container for disposal. Inform local pollution officials of spill. Spill may be considered RCRA hazardous if contaminated. Call local regulatory agency. Waste Disposal: Dispose in accordance with federal, state and local regulations. Waste may be subject to RCRA regulation.

Section 9 Special Protection Information

Ventilation Type Required:	General	
Protective Gloves:	Rubber, neoprene, and nitrile	
Respiratory Protection:	Not necessary under normal use conditions and ventilation. generated, wear NIOSH respirator for organic vapors.	If mists are
Eye Protection:	Goggles or splash-proof glasses	
Other protective measures:	Eye wash station. Rubber boots for spill cleanup.	

Section 10 Special Precautions

Store between 40°F and 110°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.

Section 11 Toxicity Data

Carcinogenicity: NT	P: No	IARC: No	OSHA: No
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Section 12 Hazard Rating - HMIS

0 = minimal 1 = slight 2 = moderate 3 = serious 4 = severe Health: 1 Reactivity: 0 Fire: 0 Personal protection equipment = B (gloves & glasses)

Section 13 Regulatory Information

May be RCRA regulated if contaminated

Section 14 Shipping Name:

No hazardous classification. Cleaning Compound

Section 15Documentary InformationDate issued: 1-12-2005Supercedes: 6-10-2003Reason: address change

ABBREVIATIONS:NE = NOT ESTABLISHEDNDA = NO DATA AVAILABLE> = GREATER THAN<= LESS THAN</td>

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