

Kardol Quality Products
285 S. West Street
Lebanon, Ohio 45036
513-933-8206 Fax: 513-932-6900

MATERIAL SAFETY DATA SHEET
100331, 100334, 100335 & 100336
Trade Name: Wash & Shine

Section 1: Material Identification

Chemical Name	CAS #	Weight Percent	Occupational Exposure Limits			Vapor PI@ Temp MM Hg
			OSHA PEL	ACGIH TLV	Other	
Caustic Soda	1310-73-2	0-10%	2 mg/m ³			
Cocoethanolamide	8051-30-7	0-10%	3 ppm			
Sodium Xylene Sulfonate	1300-72-7	0-10%	N/A			
Non-Hazardous Ingredients	N/A	70-90%	N/A			

* Indicates toxic chemical (s) subject to the reporting requirements of section 313 of Title III and 40CRF 372.

Section 2: Physical & Chemical Properties

Boiling Point:	212° F
Vapor Density:	Heavier than air
Evaporation:	Slower than Ethyl Ether
Vapor Pressure:	760 mm Hg @ 20°F
Specific Gravity:	1.02 gm/cc
Appearance & Odor:	Reddish Liquid with mild odor
Solubility in Water:	Soluble

Section 3: Fire & Explosion Hazard Data

Flash Point:	NA
PH:	8.5-10.5
Flammability Limits:	NA
Extinguisher Media:	Foam, carbon dioxide, dry chemical, water fog
Special Fire Fighting:	None Known
Unusual Fire Hazard:	None Known

Section 4: Reactivity Hazard Data

Stability:	Stable, Polymerization will not occur.
Conditions to Avoid:	Heat, open flames, static electricity, electrical equipment, pilot lights, sparks and all other sources of ignition.
Avoid:	Strong acids, alkalis, and oxidizers.
Hazardous Decomposition:	Thermal decomposition or combustion can produce fumes containing organic acids, carbon dioxide, carbon monoxide and smoke.

Section 5: Health Hazard Data

Inhalation Risks and Symptoms of Exposure: May cause nose and throat irritation. Repeated and prolonged exposure to organic solvents may lead to permanent brain and nervous system damage. Eye watering, headaches, nausea, dizziness and loss of co-ordination are signs that solvent levels are too high. Individuals with breathing problems must not be exposed to this product.

Skin and Eye Contact Health Risks and Symptoms: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Carcinogenicity: NTP Carcinogen: NO IARC Monographs: NO OSHA Regulated: YES

Medical Conditions Generally Aggravated by Exposure: Individuals with pre-existing eye, liver, kidney, chronic lung or other respiratory disorders should not use this product.

EMERGENCY FIRST AID PROCEDURE:

Eye Contact: Flush promptly with large amounts of water for 15 minutes, seek medical attention immediately.

Skin Contact: Wash thoroughly with soap and water. Remove contaminated clothing. If redness or irritation persists, seek medical attention.

Inhalation: Remove victim to a well ventilated area. Use oxygen or artificial respiration as required. Seek medical attention if breathing difficulty persists.

INGESTION: DO NOT INDUCE VOMITING. Call a physician immediately and have the names of all ingredients available. Keep victim warm and quiet. Aspiration of material into lungs can cause chemical pneumonia which can be fatal.

Section 6: Control and Protective Measures

Respiratory Protection: The manufacturer takes no responsibility for determining what protection is necessary in any specific application. The general information given should be used with discretion. Avoid breathing vapors or spray mist.

Ventilation: Provide sufficient ventilation to keep contaminates below OSHA requirements.

Protective Gloves: Wear neoprene gloves impervious to organic solvents at all times.

Eye Protection: Chemical splash goggles in compliance with OSHA regulations are advised. However, OSHA regulations also permit the use of other safety eye wear designed to protect against liquid chemical splash.

Other Protective Clothing: To prevent repeated or prolonged skin contact, wear impervious boots and clothing.

Work/Hygienic Practices: Eye wash and safety showers in the work place are recommended. Always wash hands after using this product and before eating or smoking.

Section 7: Precautions for Safe Handling & Use

IN CASE OF SPILL: Floor may become slippery. Remove all sources of ignition (sparks, flame and hot surfaces). Avoid breathing vapors. Stay upwind and away from spill unless wearing appropriate protective equipment. Ventilate enclosed areas as quickly as possible. Stop and contain discharge if it may be done safely. Use non-sparking tools for cleanup of spill. Remove spill

with an inert absorbent and non-sparking material. Dispose of in accordance with local, state and federal regulations. Do not incinerate material.

WASTE DISPOSAL: Dispose of in accordance with local, state and federal regulations. Do not incinerate closed or empty containers.

Other Precautions: Do not take internally. Wash hands after use and before eating or smoking. Empty containers may contain hazardous residue and explosive vapors. Keep away from heat, sparks and flame. Do not cut, puncture or weld on or near emptied containers. Follow all hazardous precautions given in this data sheet until the container is thoroughly cleaned or destroyed. Employees should be trained in safety measures consistent with using this product.

DOT	HAZARD INDEX
Shipping Name:	Health: 1
Liquid Cleaning Compound NA 1790	Flammability: 0
NA: Not Applicable	Reactivity: 0

24 HOUR EMERGENCY NUMBER
1-800-424-9300

KEEP OUT OF REACH OF CHILDREN!!!!