

Material Safety Data Sheet

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Section 1 Product Identification

Product Name: **Citrus Clean**

Formula type: alkaline liquid detergent and solvent system

Supplied By:

NOCO Lubricants
2440 Sheridan Drive
Tonawanda, NY 14150

Emergency Telephone: 1-800-424-9300
Information: 800-500-6626
Fax: 800-891-6626

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	1 - 2	2 mg/m ³ dust	NDA
Glycol ether EB	111-76-2	1 - 5	25 ppm skin	25 ppm skin
Potassium hydroxide	1310-58-3	1 - 2	TWA 2mg/m ³	nda
Detergents, Proprietary		5 - 15	none established	NDA
d-Limonene	59-89-275	1 - 5	NDA	NDA
Water		70 - 80		

Section 3 Physical Data

Form:	Liquid	pH as is: 12.2 - 12.7
Color:	Clear amber	pH (1% vol): 9.4 - 9.9
Odor:	Orange	Solubility in Water: Complete
Specific Gravity (Water = 1):	1.01 - 1.02	Vapor Density (Air = 1): >1
Boiling Point °F: approx.	212	% VOC: <6
Evaporation Rate (Water = 1):	<1	Vapor pressure: 0.88 mm Hg @ 100° F

Section 4 Fire and Explosion Information

Flash Point (Method) °F: greater than 212

Unusual Fire and Explosion Hazards: treat as an alkaline material

Extinguishing Agents: Foam, carbon dioxide, dry chemical, water fog, water

Wear safety equipment appropriate for the primary source of the fire. Containers may melt or rupture from the heat of a fire.

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

Probable Routes of Entry: Eyes, skin, or inhalation

Eyes: Severe irritation or burns

Skin: Severe irritation, redness or dryness if not properly treated

Inhalation: Vapors may cause headache, nausea, dizziness, and irritation.

Ingestion: May cause damage to mouth, throat, or stomach. Nausea, vomiting and/or diarrhea. Harmful if swallowed.

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 immediate medical aid.

Skin: Immediately flush skin with cool water. Obtain medical aid if irritation develops. Remove contaminated clothing and laundry.

Inhalation: Remove to fresh air. Monitor breathing. Obtain immediate medical aid.

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 and acids

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide

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, eliminate 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. 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. If vapors are generated, wear NIOSH respirator for organic vapors.

Eye Protection: Goggles or splash-proof glasses

Other protective measures: Eye wash station. Rubber boots for spill cleanup.

Section 10 Special Precautions

Store between 30°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: NTP: No IARC: No OSHA: No

Glycol ether EB – inhalation exposure to pregnant rabbits caused some toxicity to mother and fetus at 200 ppm, but no effects at 100 ppm. Rat studies indicate the rat kidneys may be the target organs for over exposure, but rat liver changes may also be evident. There is no evidence that this occurs in humans.

Section 12 Hazard Rating - HMIS

0 = minimal 1 = minimal 2 = moderate 3 = serious 4 = severe

Health: 2 Reactivity: 0 Fire: 1 Personal protection equipment = B (gloves & glasses)

Section 13 Regulatory Information

Glycol ether EB (111-76-2): listed on TSCA inventory; reportable under Section 313 of SARA; listed on State Right-to-Know in CA, NJ, and PA.

d-Limonene (59-89-275): listed on TSCA inventory.

Potassium hydroxide is subject to TSCA and SARA/Title III as an immediate health hazard.

Section 14 Shipping Name:

Corrosive liquid, basic, inorganic, n.o.s. (potassium hydroxide), 8, UN3266, PGIII

Section 15 Documentary Information

Date issued: 1-11-2005 Supersedes: 5-29-2003 Reason for update: address change

ABBREVIATIONS: NE = NOT ESTABLISHED NDA = NO DATA AVAILABLE
 > = GREATER THAN <= LESS THAN NDA = NO DATA AVAILABLE

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