

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT INFORMATION

Supplier Name  
The Mill-Rose Company  
7310 Corporate Blvd.  
Mentor, OH 44060

Emergency Telephone No.  
(800) 321-3598

Date Prepared: November 2008

Product  
MP VOC Compliant Hand Cleaner

Trade Names and Synonyms  
Blue Monster™ Citrus Scrubbing Wipes

## SECTION 2 - CHEMICAL NAME

Chemical Name: MP VOC Compliant Hand Cleaner  
Chemical Family: Cleaner  
Acute Health Hazard: 1      Fire Hazard: 2      Reactivity: 0

## SECTION 3A - PRODUCT/INGREDIENT

No. Composition	CAS#	Percent
Citrus Terpenes	94266-47-4	< 6%
Dimethyl Glutarate	1119-40-0	< 4%
Sodium Octanesulfonate	5324-84-5	< 4%
Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-hydroxy	9016-45-9	< 3%
Diethanolamine	111-42-2	< 1%

## SECTION 3B - ACUTE TOXICITY DATA

Acute Oral LD50: NO DATA  
Acute Dermal LD50: NO DATA  
Acute Inhalation LC50: NO DATA

## SECTION 4 - HEALTH INFORMATION

**Eye Contact:** May cause moderate to severe irritation.

**Skin Contact:** May cause mild irritation. Prolonged and repeated contact with skin can cause defatting and drying of the skin which may result in skin irritation and dermatitis.

**Inhalation:** Vapors or mists may irritate: nose. throat. respiratory tract. Excessive exposure may cause: coughing. headache.

**Ingestion:** May cause: gastrointestinal irritation. vomiting. nausea. diarrhea.

**Signs and Symptoms:** Irritation as noted above.

**Medical Conditions Aggravated by Exposure to Product:** None known.

**SECTION 5 - OCCUPATIONAL EXPOSURE LIMITS**

Exposure Guidelines:

<u>Component</u>	<u>OSHA PEL</u>	<u>OSHA STEL/C</u>	<u>ACGIH TWA</u>	<u>ACGIH STEL/C</u>
Citrus Terpenes	Not Estab.	Not Estab.	Not Estab.	Not Estab.
Dimethyl Glutarate	Not Estab.	Not Estab.	Not Estab.	Not Estab.
Sodium Octanesulfonate	Not Estab.	Not Estab.	Not Estab.	Not Estab.
Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)	Not Estab.	Not Estab.	Not Estab.	Not Estab.
-omega-hydroxy Diethanolamine	3 ppm+	Not Estab.	2 mg/m3-S	Not Estab.

**SECTION 6 - EMERGENCY AND FIRST AID PROCEDURES**

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Tilt head to avoid contaminating unaffected eye. Get immediate medical attention.

**Skin Contact:** Flush skin with plenty of water, while removing contaminated clothing and shoes. Do not reuse clothing or shoes until cleaned. If irritation develops or persists, get medical attention. Wash with soap and water.

**Inhalation:** Remove victim to fresh air. Get medical attention if breathing becomes difficult or respiratory irritation occurs.

**Ingestion:** If swallowed, call a physician immediately. DO NOT induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

**SECTION 8 - PHYSICAL DATA**

Boiling Point: N/D	Specific Gravity (H <sub>2</sub> O=1): 1.0004 @ 25°C
Vapor Pressure (mm hg): N/D	Melting Point: N/D
Solubility (in water): Soluble	Vapor Density (Air=1): N/D
Evaporation Rate (Normal Butyl Acetate=1): N/D	
Appearance and Odor: Hazy yellow liquid. Fruity orange odor	

**SECTION 9 - FIRE AND EXPLOSION HAZARDS**

**Flash Point and Methods:** 127°F (TCC)

**Extinguishing Media:** Use foam, dry chemical or CO<sub>2</sub>

**Special Fire Fighting Procedures and Precautions:** Evacuate area of unprotected personnel. Wear protective clothing including NIOSH-approved self-contained breathing apparatus. Remain upwind of fire to avoid hazardous vapors and decomposition products. Use water spray to cool fire-exposed containers.

**Fire and Explosion Hazards:** COMBUSTIBLE LIQUID. Vapors are heavier than air. Vapors may settle in low or confined areas, or travel long distances along the ground or surface to an ignition source where they may ignite, flashback, or explode. Keep away from heat, sparks, flames or other sources of ignition (e.g. static electricity, pilot lights, mechanical/electrical equipment.)

**Hazardous Combustion Products:** Carbon Dioxide. Carbon Monoxide. Irritating and/or toxic gases.

**SECTION 10 - REACTIVITY**

**Stability:** Stable under normal conditions.

**Conditions and Materials to Avoid:** Avoid contact with heat, sparks, electric arcs, other hot surfaces and open flames. Avoid ignition sources. **WARNING:** Do not mix this product with nitrites or other nitrosating agents because a nitrosamine may be formed. Nitrosamines may cause cancer.

**Hazardous Decomposition Products:** Carbon Dioxide and Carbon Monoxide

**SECTION 11 - EMPLOYEE PROTECTION**

**Eye/Face/Skin/Respiratory Protection:** None required under normal use.

**Other Protective Equipment:** Eye-wash station. Safety shower.

**Engineering Controls:** General room ventilation is required. Use local exhaust to control vapors, mists, dusts. Use explosion-proof ventilation equipment. Maintain adequate ventilation. Do not use in closed or confined spaces. Avoid creating dust or mist.

**Additional Protective Measures:** Best Protection is provided by nitrile material. Use explosion-proof ventilation as required to control vapor concentrations. Air-dry contaminated clothing in a well ventilated area then launder before reusing.

**General Hygiene Conditions:** Wash with soap and water before meal times and at the end of each work shift. Good manufacturing practices require gross amounts of any chemical be removed from skin as soon practical, especially before eating or smoking.

**SECTION 12 - ENVIRONMENTAL PROTECTION**

**Spill Clean-Up Procedures:** COMBUSTIBLE LIQUID. Eliminate all sources of ignition. Evacuate unprotected personnel from area. Maintain adequate ventilation. Follow personal protective equipment recommendations found in Section 11. Never exceed any occupational exposure limits. Contain spill, place into drums for proper disposal. Soak up residue with non-flammable absorbent material. Place in non-leaking containers for immediate disposal. Flus remaining areas with water to remove trace residue and dispose of properly. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs. **CAUTION:** Spilled material may be slippery.

**SECTION 13 - SPECIAL PRECAUTIONS**

Keep liquid and vapor away from heat, sparks and flame. Surfaces that are sufficiently hot may ignite even liquid product in the absence of sparks or flame. Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until all vapors are gone. Vapors may accumulate and travel to ignition sources distant from the handling site; flash-fire can result. Keep containers closed when not in use. Use with adequate ventilation. Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations on or near containers. Do not pressurize drum containers to empty them. Static electricity may accumulate and create a fire hazard. Ground fixed equipment. Bond and ground transfer containers and equipment. Wash with soap and water before eating, drinking, smoking, applying cosmetics or using toilet facilities. Launder contaminated clothing before reuse. Air-dry contaminated clothing in a well ventilated area before laundering.

**SECTION 14 - TRANSPORTATION REQUIREMENTS**

**Department of Transportation Classification:** Combustible Liquid, III

**DOT Proper Shipping Name:** Combustible Liquid, N.O.S. (Contains D-Limonene)

**Other Requirements:** In containers of 119 gallons capacity or less this product is not regulated by the DOT.

**SECTION 15 - OTHER REGULATORY CONTROLS**

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

**SECTION 16 - STATE REGULATORY INFORMATION**

This product may contain a detectable level of (a) chemical(s) subject to California's Proposition 65.

**SARA TITLE III INFORMATION**

**SARA Title III Section 311/312 Category:**

**Immediate (Acute) Health Hazard:** Yes

**Delayed (Chronic) Health Hazard:** Yes

**Fire Hazard:** Yes

**Sudden Release of Pressure Hazard:** No

**Reactive Hazard:** No

**DISPOSAL CONSIDERATIONS**

**Hazardous Waste Number:** D001

**Disposal Method:** Dispose of in a permitted hazardous waste management facility following all local, state and federal regulations. Since emptied containers retain product residue, follow label warnings even after container is emptied. DO NOT pressurize, cut, weld, solder, drill, grind or expose empty containers to heat, flame, sparks or other sources of ignition. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

**NOTICE FROM THE MILL-ROSE COMPANY**

*The information in this Material Safety Data Sheet (MSDS) relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. We believe that the information contained herein is current as of the date of the MSDS. Since use of this information and these opinions and the conditions of use of the product are not within the control of The Mill-Rose Company, it is the user's obligation to determine the conditions of safe use of the product.*