

MP VOC COMPLIANT HAND CLEANER

MSDS ID: MC2358

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : MP VOC COMPLIANT HAND CLEANER
MSDS ID : MC2358
CHEMICAL NAME SYNONYMS : L0001737A
CAS NUMBER : MIXTURE
CHEMICAL FAMILY : Cleaner
FORMULA : Proprietary Information

DISTRIBUTED BY:
Hydrite Chemical Co.
300 N. Patrick Blvd.
Brookfield, WI 53008-0948
(262) 792-1450

EMERGENCY RESPONSE NUMBERS:
24 Hour Emergency # - (414) 277-1311
CHEMTREC Emergency # - (800) 424-9300

MANUFACTURED BY: HYDRITE CHEMICAL CO.

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER	OSHA HAZARD	% BY WT.
d-Limonene	5989-27-5	YES	< 6 %
Dimethyl Glutarate	1119-40-0	YES	< 4 %
Sodium Octanesulfonate	5324-84-5	YES	< 4 %
Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega- hydroxy-,	9016-45-9	YES	< 3 %
Diethanolamine	111-42-2	YES	< 1 %

3. HAZARDS IDENTIFICATION

PHYSICAL STATE: Liquid.
COLOR : Hazy. Yellow.
ODOR : Fruity orange.

EMERGENCY OVERVIEW: WARNING! Combustible liquid and vapor. Keep away from heat, sparks, and open flame. Causes eye irritation. Prolonged or repeated contact may dry skin and cause irritation. Harmful if swallowed.

POTENTIAL HEALTH EFFECTS

ROUTES OF EXPOSURE:
Eyes. Ingestion. Inhalation. Skin.

TARGET ORGANS:
None Known.

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

MP VOC COMPLIANT HAND CLEANER

MSDS ID: MC2358

3. HAZARDS IDENTIFICATION (Cont.)

the skin which may result in skin irritation and dermatitis. Contact may cause: sensitization.

SKIN ABSORPTION:

No absorption hazard expected under normal use.

INHALATION:

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

INGESTION:

Harmful if swallowed. May cause: nausea. vomiting. diarrhea.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE TO PRODUCT:

Eye disorders. Skin disorders.

OTHER:

None known.

CANCER INFORMATION:

This product does not contain greater than 0.1% of the known or potential carcinogens listed in NTP, IARC, or OSHA.

POTENTIAL ENVIRONMENTAL EFFECTS:

See Section 12.

4. FIRST AID MEASURES

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.

INHALATION:

Remove 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.

MP VOC COMPLIANT HAND CLEANER

MSDS ID: MC2358

5. FIRE FIGHTING MEASURES

FLASH POINT: 127 Deg. F.
FLASH POINT METHOD: TCC.
FLAMMABILITY LIMITS: LEL: 0.7-0.9% UEL: 6.1-8.0%
AUTOIGNITION TEMPERATURE: No Data

EXTINGUISHING MEDIA:

Dry chemical. Alcohol foam. Carbon dioxide.

FIRE FIGHTING METHODS:

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). This material may produce a floating fire hazard.

HAZARDOUS COMBUSTION PRODUCTS:

Carbon dioxide. Carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

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 8. Never exceed any occupational exposure limit. Contain spill, place into drums for proper disposal. Soak up residue with inert absorbent material. Place in non-leaking containers for immediate disposal. Flush remaining area with water to remove trace residue and dispose of properly. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs. Prevent entry into basements, low areas, or confined areas. CAUTION: Spilled material may be slippery.

7. HANDLING AND STORAGE

STORAGE:

COMBUSTIBLE LIQUID. Store in a cool, well ventilated area away from all sources of ignition and out of direct sunlight. Store in a dry location away from heat. Keep away from incompatible materials. Keep containers tightly closed. Do not store in unlabeled or mislabeled containers. Static electricity may accumulate and create a fire hazard. Ground fixed equipment. Bond and ground transfer containers and equipment. Do not freeze.

MP VOC COMPLIANT HAND CLEANER

MSDS ID: MC2358

7. HANDLING AND STORAGE (Cont.)

HANDLING:

Avoid eye contact. Do not swallow.
 Avoid prolonged contact with skin. Use with adequate ventilation. Do not eat, drink, or smoke in work area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

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

RESPIRATORY PROTECTION:

None required under normal use.

EYE/FACE PROTECTION:

None required under normal use.

SKIN PROTECTION:

Not required for normal use.

OTHER PROTECTIVE EQUIPMENT:

Eye-wash station. Safety shower.

GENERAL HYGIENE CONSIDERATIONS:

Good manufacturing practices require gross amounts of any chemical be removed from skin as soon as practical, especially before eating or smoking.

EXPOSURE GUIDELINES:

COMPONENT	-----OSHA-----		-----ACGIH-----	
	PEL	STEL/C	TWA	STEL/C
d-Limonene	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)-omega- hydroxy-,	Not Estab.	Not Estab.	Not Estab.	Not Estab.
Diethanolamine	3 ppm+	Not Estab.	2 mg/m3-S	Not Estab.

NOTE: + Vacated 1989 OSHA PEL(s). S = Skin notation.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (DEG. F) : N.D.	SPECIFIC GRAVITY: 1.0004 @ 25C
FREEZING POINT (DEG. F) : 33	% VOLATILE (WT%): N.D.
MELTING POINT (DEG. F) : N.D.	EVAPORATION RATE: N.D.
VAPOR PRESSURE (MM HG) : N.D.	(nBuAc=1)
VAPOR DENSITY (AIR=1) : N.D.	VOC (WT%) : <8
SOLUBILITY IN WATER : Soluble	VOC (LBS/GAL) : N.D.
pH : 6.2 (as is)	

MP VOC COMPLIANT HAND CLEANER

Revised 1/17/05

Replaces 1/12/05

Printed 2/10/05

MSDS ID: MC2358

10. STABILITY AND REACTIVITY

STABILITY:

Stable under normal conditions.

CONDITIONS TO AVOID:

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

INCOMPATIBILITY:

Strong oxidizing agents. Acids. Acidic agents. Acidic clays.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon dioxide. Carbon monoxide.

HAZARDOUS POLYMERIZATION:

Will not occur under normal conditions.

11. TOXICOLOGICAL INFORMATION

LD50 ORAL : No Data

LD50 SKIN : No Data

LD50 INHALATION: No Data

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:

No data available.

CHEMICAL FATE INFORMATION:

No data available.

13. 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.

14. TRANSPORT INFORMATION (Not meant to be all inclusive)

DOT (Department of Transportation):

Proper Shipping Name : COMBUSTIBLE LIQUID, N.O.S. (CONTAINS D-LIMONENE)

Hazard Class : COMBUSTIBLE LIQUID

Identification Number : NA1993

Packing Group : III

MATERIAL SAFETY DATA SHEET

Page 6 of 7
Revised 1/17/05
Replaces 1/12/05
Printed 2/10/05

MP VOC COMPLIANT HAND CLEANER

MSDS ID: MC2358

14. TRANSPORT INFORMATION (Not meant to be all inclusive) (Cont.)

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

15. REGULATORY INFORMATION

FEDERAL REGULATIONS:

TSCA INVENTORY STATUS:

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

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

SARA SECTION 302/304/313/HAP:

Table with 6 columns: COMPONENT, RQ (LBS) (*1), RQ (LBS) (*2), TPQ (LBS) (*3), SEC 313 (*4), HAP (*5). Rows include d-Limonene, Dimethyl Glutarate, Sodium Octanesulfonate, Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-hydroxy-, and Diethanolamine.

FOOTNOTES

- *1 = CERCLA Reportable Quantity
*2 = SARA Reportable Quantity
*3 = SARA EHS Threshold Planning Quantity
*4 = SARA 313 Toxic Chemical/Category
*5 = U.S. EPA Hazardous Air Pollutant

STATE REGULATIONS:

CALIFORNIA--The following components are listed under Prop 65: This product may contain a detectable level of (a) chemical(s) subject to California's Proposition 65.

WISCONSIN--The following components are listed as a Wisconsin HAP: None.

16. OTHER INFORMATION

HMIS RATING SYSTEM

Health : 1*
Flammability: 2
Reactivity : 0
* = Chronic Health Hazard

NFPA RATING SYSTEM

Health : 1
Flammability : 2
Reactivity : 0
Special Hazard: None

MATERIAL SAFETY DATA SHEET

Page 7 of 7
Revised 1/17/05
Replaces 1/12/05
Printed 2/10/05

MP VOC COMPLIANT HAND CLEANER

MSDS ID: MC2358

16. OTHER INFORMATION (Cont.)

MSDS ABBREVIATIONS: N.A. = Not Applicable
N.D. = Not Determined
HAP = Hazardous Air Pollutant
VOC = Volatile Organic Compound
C = Ceiling Limit
N.E./Not Estab. = Not Established

MSDS PREPARED BY: JAK

REASON FOR REVISION: Product name changed back to original name requested on (12/1/04). Second name change since 12/1/04).

** ** ** ** **
The data in this Material Safety Data Sheet relates only to the specific material designated and does not relate to its use in combination with any other material or process. The data contained is believed to be correct. However, since conditions of use are outside our control it should not be taken as a warranty or representation for which HYDRITE CHEMICAL CO. assumes legal responsibility. This information is provided solely for your consideration, investigation, and verification.
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