

Safety Data Sheet

MANUFACTURED FOR:



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Section 1. Chemical Product and Company Identification

Product Name Mighty Orange
Product Use Solvent Detergent
Product Code 3888-4530
Date of Issue 7/13/2016
Supersedes 12/21/2015

Emergency Telephone Numbers
CHEMTREC- 1-800-424-9300

(For use only in the event of emergencies involving a spill, leak, fire, exposure, or accident involving chemicals)

Section 2. Hazards Identification

Emergency Overview

WARNING



Health Hazards

Skin Corrosion/Irritation Category 2
Serious eye damage/ eye irritation Category 2B

Physical Hazards

Flammable liquids Category 4

Precautionary Statements:

P210 Keep away from heat, sparks, open flames and hot surfaces – no smoking
P264 Wash hands thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 IF SKIN irritation occurs: Get medical advice/attention.
P337+P313 IF eye irritation persists: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P370+P378 In case of fire: Use water spray, fog, dry chemical, CO₂, or alcohol foam for extinction
P403+P235 Store in a well-ventilated area. Keep cool.
P501 Dispose of in accordance with all federal, state and local regulations

Hazard Statements:

H227 Combustible liquid
H315 Causes skin irritation
H320 Causes eye irritation

Routes of Entry Dermal, Oral, and Inhalation

Acute Effects:

Eyes Causes redness and tearing
Skin May cause irritation and redness
Inhalation Excessive inhalation may cause drowsiness, light-headedness, weakness or headache
Ingestion Nausea, vomiting, diarrhea and gastrointestinal disorder

Section 3. Composition/Information on Ingredients

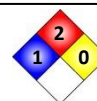
Name of Hazardous Ingredients	CAS Number	% by Weight
D-Limonene	5989-27-5	<95
Nonylphenol Ethoxylate	9016-45-9	<7

Section 4. First Aid Measures

Eye Contact	Flush immediately with clean water for 15 minutes, lifting eyelid occasionally. Seek immediate medical attention.
Skin Contact	If irritation occurs, flush with plenty of clean water and soap. Remove contaminated clothing and launder before reuse.
Inhalation	Remove person to fresh air. Begin CPR if breathing has stopped and seek immediate medical attention.
Ingestion	Do not induce vomiting. Give several glasses of water. Never give anything orally to an unconscious person. Keep warm and quiet; seek immediate medical attention.

Section 5. Fire Fighting Measures

National Fire Protection Association (U.S.A)
(estimated rating)



Hazardous Combustion Products	N/A
Extinguishing Media	Water spray, fog, dry chemical, CO ₂ , or alcohol foam
Unsuitable Extinguishing Media	N/A
Fire Fighting Procedures	Use a self-contained breathing apparatus. Use water spray to cool fire-exposed containers.

Section 6. Accidental Release Measures

Spill Clean Up	All spilled material must be contained and kept out of waterways, sewers and drains. The spilled chemical should be absorbed with an inert material. Flush cleaned area thoroughly with water.
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Section 7. Handling and Storage

Handling and Storage	Keep container tightly closed when not in use. Protect from freezing. Keep out of the reach of children.
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Section 8. Exposure Controls/Personal Protection**Exposure Limits**

Product Name	OSHA PEL	NIOSH REL	AIHA WEEL	ACGIH TLV
None				

Engineering Controls	Provide sufficient mechanical ventilation if build-up of mist or vapor is likely
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**Personal Protective Equipment (PPE)**

Eyes	Chemical splash goggles or face shield
Body	Rubber or neoprene gloves
Respiratory	Use NIOSH approved respirator if exposure limits are reached or exceeded

Section 9. Physical and Chemical Properties

Physical State	Liquid	Explosive Limits	N/A
Color	Clear	Vapor Pressure	N/A
Odor	Citrus odor	Vapor Density	N/A
Odor Threshold	N/A	Relative Density	N/A
pH	N/A	Solubility	Complete
Freezing Point	N/A	Partition Coefficient	N/A
Boiling Point	347°F	Auto-Ignition Temp.	N/A
Flash Point	120°F (Pensky Marten) 156°F (Open cup)	Decomposition Temp.	N/A
Evaporation Rate	1.0	Viscosity	N/A
Flammability	N/A	Specific Gravity	0.867

Section 10. Stability and Reactivity

Stability and Reactivity	Stable
Incompatibility	None known
Hazardous Polymerization	Will not occur
Hazardous Decomposition Products	CO, CO ₂ upon thermal decomposition
Conditions to Avoid	Use normal caution

Section 11. Toxicological Information

Routes of Entry	Dermal, Oral and Inhalation
Symptoms	Irritation
Skin Irritant	Yes
Eye Irritant	Yes
Sensitizers	Not determined
Mutagenicity	No information found
Carcinogenicity	None
Reproductive Toxicity	No information found
Target Organs	None

There is no toxicological data for this product as a whole. Based on relevant ingredients with known acute toxicity, the acute toxicity estimate using the additive formula (ATE) has been determined.

Acute Toxicity

Test	Results	Basis
Dermal	4,400 mg/kg	ATE determined beyond Category 4
Oral	2,083 mg/kg	ATE determined beyond Category 4
Inhalation	No data	

Section 12. Ecological Information

Environmental Effects No ecological information available

Section 13. Disposal Considerations

Waste Information Dispose of in accordance with all Federal, State and Local pollution control regulations.

Section 14. Transportation Information

Regulatory Information	UN number	Proper Shipping Name	Classes	Packaging Group	Label Code
DOT Classification	NA1993	Combustible Liquids, n.o.s. (D-Limonene)	3	PGIII	Combustible

Note: DOT Classification applies to most packaging sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

Section 15. Regulatory Information

US Federal Regulations The following substances are listed as a toxic chemical and are subject to report under the SARA act Section 313: None

The following substances have CERCLA reportable quantity values (in pounds):

None

State Regulations None

Section 16. Other Information

Last Revision 7/13/2016

The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein.