

Material Safety Data Sheet

Revision Date 09-Jun-2010

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code 95659
Product name Orange Cleaner Concentrate
Recommended Use Cleaner

Supplier Lawson Products, Inc.
1666 East Touhy Avenue
Des Plaines, IL 60018
(847)-827-9666

Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview

Mild eye irritation. May cause skin irritation and/or dermatitis.

Aggravated Medical Conditions

None Known.

Principal Routes of Exposure

Eyes. Inhalation. Ingestion. Skin.

Potential health effects

Eyes Moderately irritating to the eyes.
Skin Chronic exposure causes drying effect on the skin .
Inhalation No adverse affects expected.
Ingestion Nausea.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
D-Limonene	5989-27-5	0-5

4. FIRST AID MEASURES

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical attention if irritation persists.

Skin contact Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.

Ingestion Drink plenty of water. Give juice of lemon, grapefruit, or orange. If symptoms persist, call a physician.

Inhalation Remove to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

5. FIRE FIGHTING MEASURES

Flash point °C Not Applicable
Flash point °F Not Applicable
Method Not Applicable

Autoignition temperature °C Not Applicable
Autoignition temperature °F Not Applicable

Flammability Limits (% in Air)
Upper No data available
Lower No data available

Suitable extinguishing media

Product is nonflammable. Use extinguishing media appropriate to surrounding fire.

Special protective equipment for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Sensitivity to shock

No information available.

Sensitivity to static discharge

No information available.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up

Soak up excess with absorbent material. Dispose of absorbent in accordance with local, state and federal regulations. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Handling

Keep away from open flame. Keep from excessive heat.

Storage

Keep tightly closed in a dry and cool place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
D-Limonene	-	-	-	-

Ventilation and Environmental Controls

Adequate ventilation should be provided to keep exposure levels below current acceptable exposure limits.

Hygiene measures

Wash hands after handling the product.

Respiratory protection

None required.

Hand Protection

Gloves are not required in normal use.

Eye protection

Use safety eyewear designed to protect against splash of liquids.

Skin and body protection

None necessary under normal conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Color	Orange
Odor	Citric
Odor Threshold	Not Applicable
pH	No data available
Specific Gravity	1.02
Vapor pressure	17.5mmHg
Vapor density	0.7 (air=1)
Evaporation Rate	<1 (n-Butyl-Acetate = 1)
Water solubility	98.8%
VOC Content	1.20%
Partition Coefficient (n-octanol/water)	Not Applicable
Boiling point/range °C	100
Boiling point/range °F	212
Melting point/range °C	0
Melting point/range °F	32
Flash point °C	Not Applicable
Flash point °F	Not Applicable

10. STABILITY AND REACTIVITY**Stability**

Stable.

Conditions to avoid

Keep from freezing. Do not expose to temperatures above 100 degrees F for extended periods of time.

Incompatibility

Strong acids.

Hazardous Decomposition Products

None known.

Polymerization

Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION**Component Information**

Chemical Name	LD50 (oral,rat)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat)
<i>D-Limonene</i> 5989-27-5	4400 mg/kg	2000 mg/kg	-

Synergistic Products

None known

Potential health effects**Sensitization**

None known

Chronic toxicity

None known

Mutagenic effects

None known

Teratogenic effects

None known

Reproductive toxicity

None known

Target Organ Effects

See Section 2

Carcinogenic effects

See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
D-Limonene	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

Ecotoxicity effects No information available

13. DISPOSAL CONSIDERATIONS**Waste from residues / unused products**

Do not reuse container. Drums should be offered for recycling. Wrap container and place in trash collection. Dispose in accordance with federal, state, and local regulations.

14. TRANSPORTATION INFORMATION**DOT**

Not Regulated

TDG

Not Regulated

IMDG/IMO

Not Regulated

IATA

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Not Regulated

MEX

Not Regulated

15. REGULATORY INFORMATION

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
D-Limonene	Not Listed	Not Listed	Not Listed

Chemical Name	EINECS	DSL	NDSL	TSCA
D-Limonene	X	X	-	X

CPR

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

16. OTHER INFORMATION

HMIS

Health - 1
Flammability - 0
Physical Hazard - 0

Prepared By

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The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.