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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: ODC-Free Cleaner & Degreaser
Product type: Loctite SHARED FIELD (US/Canada/EU)
Company address:
Henkel Loctite Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Item number: 22355
Region: United States
Contact Information:
Telephone: 860.571.5100
Emergency telephone: 860.571.5100
Internet: www.loctite.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Naphtha (petroleum), heavy alkylate 64741-65-7	60-100	100ppm TWA	100ppm (TWA)	None
Orange terpenes 68647-72-3	10-30	None	None	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:

Physical state: Liquid
Color: Colorless
Odor: Orange

HEALTH: 2
FLAMMABILITY: 2
PHYSICAL HAZARD: 0
Personal Protection: See Section 8

WARNING: FLAMMABLE LIQUID AND VAPOR.
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
MAY BE HARMFUL IF SWALLOWED.

Relevant routes of exposure: Inhalation, Eye contact, Skin contact, Ingestion

Potential Health Effects

Inhalation: High Concentrations of vapors may cause harmful effects. Symptoms usually occur at air concentrations above the recommended exposure limits. May cause irritation to nose and throat. Dizziness. Headache. Nausea.
Skin contact: May cause irritation due to defatting of the skin. Prolonged contact with skin may cause dermatitis. May be harmful if absorbed through skin.
Eye contact: Direct spray or vapors will irritate and may harm eyes.
Ingestion: Ingestion causes irritation and effects similar to inhalation. If swallowed, may be aspirated into the lungs resulting in inflammation and possible fluid accumulation.

Existing conditions aggravated by exposure: Other preexisting skin conditions. Other respiratory disorders (bronchitis, emphysema, bronchial hyperreactivity).

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. If breathing is difficult, give oxygen. Get medical attention. If not breathing, give artificial respiration.
Skin contact:	Wash with soap and water. Remove contaminated clothing and shoes. If a person feels unwell or symptoms of skin irritation appear, consult a physician.
Eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Ingestion:	Do not induce vomiting or give anything by mouth because this material can enter the lungs and severe lung damage. Get medical attention immediately.

5. FIRE-FIGHTING MEASURES

Flash point:	48.9°C (120°F)
Autoignition temperature:	Not available
Flammable/Explosive limits-lower %:	0.7 %
Flammable/Explosive limits-upper %:	5.0 %
Extinguishing media:	Carbon dioxide (CO2). Foam. Dry chemical. Type BC extinguisher.
Special fire fighting procedures:	Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA). Water may be unsuitable as an extinguishing media, but may be helpful in keeping adjacent containers cool. Avoid spreading liquid with water used for cooling purposes.
Unusual fire or explosion hazards:	Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back.
Hazardous combustion products:	Oxides of carbon. Irritating organic vapors.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Loctite SHARED FIELD (US/Canada/EU)
Clean-up methods:	Spilled liquid is combustible and can be ignited by heat, flames, sparks, or other sources of ignition. Vapors are heavier than air and may travel along the ground or be moved by ventilation and subsequently ignited by heat, pilot lights or other ignition sources at locations distant from the material handling point. Remove all ignition sources. Maintain good ventilation for large spills. Evacuate and ventilate spill area; dike spill to prevent entry into water system; wear full protective equipment during clean-up. Spilled material will solidify.

7. HANDLING AND STORAGE

Handling:	Keep container closed. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. Do not wear contact lenses. Keep out of the reach of children. Vapors will accumulate readily and may ignite explosively.
Storage:	Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.
Incompatible products:	Oxidizing and spontaneously flammable products. Strong acids or bases. Amines.

For information on product shelf life contact Henkel Loctite Customer Service at (800) 243-4874.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits. Provide local ventilation for prolonged use in a confined area. In case of insufficient ventilation, wear suitable respiratory equipment.
Respiratory protection:	Use NIOSH approved respirator if there is potential to exceed exposure limit(s).
Skin protection:	Use impermeable gloves and protective clothing as necessary to prevent skin contact.
Eye/face protection:	Chemical splash goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists. Do not wear contact lenses when handling this product.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Colorless
Odor:	Orange
Vapor pressure:	5 mmHg @20°C (68° F)
pH:	Not applicable
Boiling point/range:	Greater than 148°C (300°F)
Melting point/range:	Not available
Specific gravity:	.7718
Vapor density:	Heavier than air
Evaporation rate:	Not available
Solubility in water:	Insoluble
Partition coefficient (n-octanol/water):	Not available
VOC content:	Not available

10. STABILITY AND REACTIVITY

Stability:	Stable.
Hazardous polymerization:	Will not occur.
Hazardous decomposition products:	Hydrocarbons
Incompatibility:	Acids. Bases. Oxidizing agents.
Conditions to avoid:	Heat, flames and sparks. Fire or intense heat may cause violent rupture of packages.

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Naphtha (petroleum), heavy alkylate	No	No	No
Orange terpenes	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Naphtha (petroleum), heavy alkylate	Irritant
Orange terpenes	Irritant

12. ECOLOGICAL INFORMATION

Ecological information: No specific studies have been conducted by Henkel on the ecotoxicity or environmental fate of this material; however, commonly available data on the material indicate that uncontrolled releases to soil, groundwater, or surface waters could entail acute and/or chronic ecological effects, depending on the quantity and concentration of such releases. Releases of volatile components to the atmosphere are not believed to entail significant ecological consequences provided such releases are within the exposure levels set forth in this document. Accordingly, all appropriate measures should be taken to avoid uncontrolled releases to the environment, and any spills or other uncontrolled releases which may occur should be contained and cleaned up immediately in accordance with Section 6.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of in accordance with Federal, State and local regulations.

EPA hazardous waste number: D001: Ignitable.

14. TRANSPORT INFORMATION

U.S. Department of Transportation Ground (49 CFR):

Proper shipping name: Consumer commodity Not more than 5 liters Petroleum Distillates N. O. S. Greater than 5 liters
Hazard class or division: ORM-D Not more than 5 liters Combustible liquid Greater than 5 liters
Identification number: None Not more than 5 liters. UN 1268 Greater than 5 liters
Packing group: None

International Air Transportation (ICAO/IATA):

Proper shipping name: Consumer commodity Not more than 500ml Petroleum distillates N. O. S. Greater than 500 ml
Hazard class or division: 9 Not more than 500 ml 3 Greater than 500 ml
Identification number: ID8000 Not more than 500 ml UN 1268 Greater than 500 ml
Packing group: None

WaterTransportation (IMO/IMDG):

Proper shipping name: Not available
Hazard class or division: Not available
Identification number: Not available
Packing group: Not available
Exceptions: Not available
Marine pollutant: Not available

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 12 (b) Export Notification: None.

CERCLA/SARA Section 302 EHS: Not available
CERCLA/SARA Section 311/312: Not available
CERCLA/SARA 313: Not available

California Proposition 65: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

Canada Regulatory Information

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Domestic Substances List.
WHMIS hazard class: B.3, D.2.B

Item number: 22355

Product name: ODC-Free Cleaner & Degreaser

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections:
New Material Safety Data Sheet format.

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