

**Revision Date:** 09/20/2006

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Product name:</b> ODC-Free Cleaner & Degreaser <b>Product type:</b> Solvent Cleaner <b>Company address:</b> Henkel Corporation 1001 Trout Brook Crossing Rocky Hill, Connecticut 06067	<b>Item No. :</b> 22355 / IDH No. 231562 <b>Region:</b> United States <b>Contact Information:</b> Telephone: 860.571.5100 Emergency telephone: 860.571.5100 Internet: www.loctite.com
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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Hydrotreated heavy naphtha 64742-48-9	30-60	None	None	None
Petroleum distillates, hydrotreated light 64742-47-8	30-60	None	None	None
d-Limonene 5989-27-5	10-30	None	None	None
Carbon dioxide 124-38-9	5-10	30000 ppm STEL 5000 ppm TWA	5000 ppm TWA exposures < 10,000 ppm to be cited de minimus 9000 mg/m <sup>3</sup> TWA	None

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

<b>Physical state:</b> Aerosol Liquid <b>Color:</b> Colorless <b>Odor:</b> Orange  <b>DANGER:</b> CONTENTS UNDER PRESSURE. EXTREMELY FLAMMABLE LIQUID AND VAPOR MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION. MAY BE HARMFUL IF SWALLOWED.	<b>HMIS:</b> <b>HEALTH:</b> 2* <b>FLAMMABILITY:</b> 4 <b>PHYSICAL HAZARD:</b> 0 <b>Personal Protection:</b> See Section 8
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**Relevant routes of exposure:** Inhalation, Eye contact, Skin contact, Ingestion

### Potential Health Effects

<b>Inhalation:</b>	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.
<b>Skin contact:</b>	May cause irritation due to defatting of the skin. Prolonged contact with skin may cause dermatitis. May be harmful if absorbed through skin.
<b>Eye contact:</b>	Direct spray or vapors will irritate and may harm eyes.
<b>Ingestion:</b>	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 pre-existing skin conditions. Other respiratory disorders (bronchitis, emphysema, bronchial hyperreactivity).

**See Section 11 for additional toxicological information.**

## 4. FIRST AID MEASURES

<b>Inhalation:</b>	Remove to fresh air. If breathing is difficult, give oxygen. Get medical attention. If not breathing, give artificial respiration.
<b>Skin contact:</b>	Wash with soap and water. Remove contaminated clothing and shoes. If a person feels unwell or symptoms of skin irritation appear, consult a physician.
<b>Eye contact:</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
<b>Ingestion:</b>	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

<b>Flash point:</b>	88°C (191°F) (Base only)
<b>Flashback:</b>	This product exhibits no flashback when tested for flame extension.
<b>Flame Projection:</b>	36 inches (91 cm)
<b>Autoignition temperature:</b>	Not available
<b>Flammable/Explosive limits-lower %:</b>	0.7 %
<b>Flammable/Explosive limits-upper %:</b>	5.0 %
<b>Extinguishing media:</b>	Carbon dioxide (CO2). Foam. Dry chemical. Type BC extinguisher.
<b>Special fire fighting procedures:</b>	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.
<b>Unusual fire or explosion hazards:</b>	Contents under pressure. Closed containers may rupture (due to build up of pressure) when exposed to extreme heat. Do not puncture or incinerate pressurized containers. Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back.
<b>Hazardous combustion products:</b>	Oxides of carbon. Irritating organic vapors.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Environmental precautions:</b>	Do not contaminate surface water. Assure conformity with applicable government regulations.
<b>Clean-up methods:</b>	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

<b>Handling:</b>	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.
<b>Storage:</b>	Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use. Store at or below 38°C (100°F).
<b>Incompatible products:</b>	Oxidizing and spontaneously flammable products. Strong acids or bases. Amines.

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

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering controls:</b>	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.
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**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:** Aerosol 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:** <4%

## 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
Hydrotreated heavy naphtha 64742-48-9	No	No	No
Petroleum distillates, hydrotreated light 64742-47-8	No	No	No
d-Limonene 5989-27-5	No	No	No
Carbon dioxide 124-38-9	No	No	No

### Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Hydrotreated heavy naphtha 64742-48-9	Irritant
Petroleum distillates, hydrotreated light 64742-47-8	Irritant
d-Limonene 5989-27-5	Irritant
Carbon dioxide 124-38-9	Central nervous system

## 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:** Aerosols, flammable  
**Hazard class or division:** 2.1  
**Identification number:** UN 1950  
**Packing group:** None  
**Exceptions:** Consumer Commodity ORM-D Aerosols, not more than 1 L -

### International Air Transportation (ICAO/IATA):

**Proper shipping name:** Aerosols, flammable  
**Hazard class or division:** 2.1  
**Identification number:** UN1950  
**Packing group:** None

### Water Transportation (IMO/IMDG):

**Proper shipping name:** Aerosols, flammable  
**Hazard class or division:** 2.1  
**Identification number:** UN1950  
**Packing group:** None  
**Marine pollutant:** Dipentene

## 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:** Immediate Health Hazard, Fire  
**CERCLA/SARA 313:** Not available

**California Proposition 65:** No California Proposition 65 listed chemicals are known to be present.

### Canada Regulatory Information

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

## 16. OTHER INFORMATION

**This material safety data sheet contains changes from the previous version in sections:** This material safety data sheet contains changes from the previous version in section(s): 5,14

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