Material Safety Data Sheet

Revision Number: 002.1

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: **ODC-Free Cleaner & Degreaser**
Product type: Solvent based cleaner

IDH number: 231562
Item number: 22355
Region: United States

Company address:
Henkel Corporation
One Henkel Way
Rocky Hill, Connecticut 06067

Contact information:
Telephone: 860.571.5100
Emergency telephone: 860.571.5100
Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:

Physical state: Liquid
Color: Colorless
Odor: citrus-fruit-like

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

WARNING: CONTENTS UNDER PRESSURE.
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
MAY BE HARMFUL IF SWALLOWED.
COMBUSTIBLE LIQUID AND VAPOR.

Relevant routes of exposure: Skin, Inhalation, Eyes, Ingestion

Potential Health Effects

Inhalation: High Concentrations of vapors may cause harmful effects. Symptoms usually occur at air concentrations above the recommended exposure limits. Symptoms are typically seen at air concentrations exceeding 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 pre-existing skin conditions. Other respiratory disorders (bronchitis, emphysema, bronchial hyperreactivity).

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Naphtha (petroleum), hydrotreated heavy Benzene < 0,1 %	64742-48-9	30 - 60
C13-14 Isoparaffin	64742-47-8	30 - 60
D-Limonene	5989-27-5	10 - 30
Carbon dioxide	124-38-9	5 - 10

4. FIRST AID MEASURES

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Skin contact: Wash with soap and water. Remove contaminated clothing and footwear. If symptoms develop and persist, get medical attention.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. If eye irritation persists, consult a specialist.

Ingestion: DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

5. FIRE FIGHTING MEASURES

Flash point: 88 °C (190.4 °F)

Flashback: This product exhibits no flashback when tested for flame extension.

Flame projection: 91.00 cm (35.83 inch)

Autoignition temperature: Not available

Flammable/Explosive limits - lower: 0.7 %

Flammable/Explosive limits - upper: 5 %

Extinguishing media: Foam, dry chemical or carbon dioxide.

Special firefighting 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: Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.

Hazardous combustion products: Oxides of carbon. Irritating organic vapours.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions: Do not allow product to enter sewer or waterways.

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 sources of ignition. 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. Do not puncture or incinerate pressurized containers. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists of this product. 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.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Naphtha (petroleum), hydrotreated heavy Benzene < 0,1 %	None	None	None	196 ppm TWA
C13-14 Isoparaffin	None	None	None	None
D-Limonene	None	None	30 ppm (165.5 mg/m3) TWA	None
Carbon dioxide	5,000 ppm TWA 30,000 ppm STEL	5,000 ppm (9,000 mg/m3) TWA	None	None

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).

Eye/face protection: Safety goggles or safety glasses with side shields.

Skin protection: Permeation resistant gloves (butyl rubber, nitrile rubber, polyvinyl alcohol).

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Color: Colorless
Odor: citrus-fruit-like
Odor threshold: Not available
pH: Not available
Vapor pressure: 5 mm hg (68 °F (20°C)) 5 mm hg (20 °C (68°F))
Boiling point/range: > 300 °F (> 148.9 °C) none > 148 °C (> 298.4 °F)
Melting point/ range: Not available
Specific gravity: 0.7718
Specific gravity: 0.7718
Vapor density: Heavier than air
Flash point: 88 °C (190.4 °F)
Flashback: This product exhibits no flashback when tested for flame extension.
Flame projection: 91.00 cm (35.83 inch)
Flammable/Explosive limits - lower: 0.7 %
Flammable/Explosive limits - upper: 5 %
Autoignition temperature: Not available
Evaporation rate: Not available
Solubility in water: Insoluble
Solubility in water: Insoluble
Partition coefficient (n-octanol/water): Not available
VOC content: 100 %; 780 g/l

10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous reactions: Will not occur.

Hazardous decomposition products: Hydrocarbons.

Incompatible materials: Strong oxidizing agents. Acids and bases.

Conditions to avoid: Heat, flames, sparks and other sources of ignition. Fire or intense heat may cause violent rupture of packages.

11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Naphtha (petroleum), hydrotreated heavy Benzene < 0,1 %	No	No	No
C13-14 Isoparaffin	No	No	No
D-Limonene	No	No	No
Carbon dioxide	No	No	No

Hazardous components	Health Effects/Target Organs
Naphtha (petroleum), hydrotreated heavy Benzene < 0,1 %	Irritant
C13-14 Isoparaffin	Irritant
D-Limonene	Irritant
Carbon dioxide	Central nervous system

12. ECOLOGICAL INFORMATION

Ecological information: Not available

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Follow all local, state, federal and provincial regulations for disposal.

Hazardous waste number: D001: Ignitable.

14. TRANSPORT INFORMATION

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

Proper shipping name: Aerosols (Dipentene)
Hazard class or division: 2.2
Identification number: UN 1950
Packing group: None
Marine pollutant: Dipentene

International Air Transportation (ICAO/IATA)

Proper shipping name: Aerosols, non-flammable
Hazard class or division: 2.2
Identification number: UN 1950
Packing group: None

Water Transportation (IMO/IMDG)

Proper shipping name:	AEROSOLS (Dipentene)
Hazard class or division:	2.2
Identification number:	UN 1950
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 above reporting de minimus
CERCLA/SARA Section 302 EHS:	None above reporting de minimus
CERCLA/SARA Section 311/312:	Immediate Health, Pressure, Fire
CERCLA/SARA 313:	None above reporting de minimus
California Proposition 65:	No California Proposition 65 listed chemicals are known to be present.

Canada Regulatory Information

CEPA DSL/NDSL Status:	All components are listed on or are exempt from listing on the Canadian 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: New Material Safety Data Sheet format., Corrected information in Section(s): 2,14

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