



Revision Number: 002.3

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Gear, Chain & Cable Lubricant
Product type: Lubricant

IDH number: 209796
Item number: 81251
Region: United States

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

Contact information:
 Telephone: 860.571.5100
 MEDICAL EMERGENCY Phone: Poison Control Center
 1-877-671-4608 (toll free) or 1-303-592-1711
 TRANSPORT EMERGENCY Phone: CHEMTREC
 1-800-424-9300 (toll free) or 1-703-527-3887
 Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Aerosol, Liquid
Color: Clear
Odor: Mild, Petroleum

HMIS:

HEALTH: 2
FLAMMABILITY: 4
PHYSICAL HAZARD: 0
Personal Protection: See MSDS Section 8

DANGER: CONTENTS UNDER PRESSURE.
 FLAMMABLE LIQUID AND VAPOR.
 HARMFUL OR FATAL IF SWALLOWED.
 HARMFUL IF INHALED.
 CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

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

Potential Health Effects

Inhalation: Causes respiratory tract irritation. Overexposure may cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.
Skin contact: Causes skin irritation.
Eye contact: Causes eye irritation.
Ingestion: Ingestion of larger amounts may cause defects to the central nervous system (e.g. dizziness, headache).

Existing conditions aggravated by exposure: Not available

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	%
Mineral oil	Proprietary	60 - 100
Butane	106-97-8	10 - 30
Naphtha, petroleum, heavy alkylate, <0.1% Benzene	64741-65-7	10 - 30
Propane	74-98-6	10 - 30
Barium sulfate	7727-43-7	1 - 5

4. FIRST AID MEASURES

Inhalation:	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek medical advice.
Skin contact:	Remove contaminated clothing and footwear. Wash with soap and water. If symptoms develop and persist, get medical attention. Wash clothing before reuse.
Eye contact:	Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once. In case of adverse health effects seek medical advice.
Ingestion:	Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

5. FIRE FIGHTING MEASURES

Flash point:	< -18 °C (< 0.4 °F)
Autoignition temperature:	Not available
Flammable/Explosive limits - lower:	1 %
Flammable/Explosive limits - upper:	9.5 %
Extinguishing media:	Carbon dioxide. Dry chemical. foam
Special firefighting procedures:	Use water spray to keep fire exposed containers cool and disperse vapors. Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Unusual fire or explosion hazards:	Closed containers may rupture (due to build up of pressure) when exposed to extreme heat. Vapours may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back.
Hazardous combustion products:	Oxides of carbon. Hydrocarbons

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 to enter in surface / ground water.
Clean-up methods:	Remove the absorbed material, and place in an appropriate chemical waste container for disposal. Ventilate area.

7. HANDLING AND STORAGE

Handling:	Keep away from heat, spark and flame. Ensure adequate ventilation. Avoid breathing vapors or mists of this product. Do not puncture or incinerate pressurized containers. Keep out of the reach of children.
Storage:	Store in a cool, dry, well-ventilated area. Keep away from heat, spark and flame.

Shelf Life Statement: Not available

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
Mineral oil	5 mg/m3 TWA mist 10 mg/m3 STEL mist	5 mg/m3 TWA mist	None	None
Butane	1,000 ppm TWA	None	None	None
Naphtha, petroleum, heavy alkylate, <0.1% Benzene	5 mg/m3 TWA	5 mg/m3 TWA	None	None
Propane	1,000 ppm TWA	1,000 ppm (1,800 mg/m3) TWA	None	None
Barium sulfate	10 mg/m3 TWA	5 mg/m3 TWA Respirable fraction. 15 mg/m3 TWA Total dust.	None	None

Engineering controls:

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

Respiratory protection:

Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

Eye/face protection:

Safety glasses with sideshields or chemical safety goggles should be worn if there is a risk of splashing.

Skin protection:

Use impermeable gloves and protective clothing as necessary to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Aerosol, Liquid
Color:	Clear
Odor:	Mild, Petroleum
Odor threshold:	Not available
pH:	Not available
Vapor pressure:	Not available
Boiling point/range:	0 - 412 °F (-17.8 - 211.1 °C) None
Melting point/ range:	Not available
Specific gravity:	0.77
Vapor density:	Not available
Flash point:	< -18 °C (< 0.4 °F)
Flammable/Explosive limits - lower:	1 %
Flammable/Explosive limits - upper:	9.5 %
Autoignition temperature:	Not available
Evaporation rate:	Not available
Solubility in water:	Not available
Partition coefficient (n-octanol/water):	Not available
VOC content:	35.00 %; 269.00 g/l

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous reactions:	Will not occur.
Hazardous decomposition products:	Irritating organic vapours. Oxides of carbon.
Incompatible materials:	Acids and bases. Oxidizing agents.
Conditions to avoid:	Stable under normal conditions of storage and use.

11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Mineral oil	No	No	No
Butane	No	No	No
Naphtha, petroleum, heavy alkylate, <0.1% Benzene	No	No	No
Propane	No	No	No
Barium sulfate	No	No	No

Hazardous components	Health Effects/Target Organs
Mineral oil	No Data
Butane	Cardiac, Central nervous system, Irritant
Naphtha, petroleum, heavy alkylate, <0.1% Benzene	Irritant
Propane	Cardiac, Central nervous system, Irritant
Barium sulfate	Lung

12. ECOLOGICAL INFORMATION

Ecological information: Do not empty into drains / surface water / ground water.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

Hazardous waste number: D001: Ignitable.

14. TRANSPORT INFORMATION

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

Proper shipping name: Aerosols
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: None

International Air Transportation (ICAO/IATA)

Proper shipping name: Aerosols, flammable
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: None

Water Transportation (IMO/IMDG)

Proper shipping name: AEROSOLS
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: None

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, Delayed Health, 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/NDL Status:

All components are listed or are exempt from listing on the Toxic Substances Control Act inventory.

WHMIS hazard class:

A, B.5, 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.

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