

(11216)

Material Safety Data Sheet



Revision Number: 003.1

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1. PRODUCT AND COMPANY IDENTIFICATION

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

IDH number: 209796
Item number: 81251
Region: Canada

Company address:
Henkel Canada Corporation
2515 Meadowpine Boulevard
Mississauga, Ontario L5N 6C3

Contact information:
Telephone: 905.814.6511
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
WHMIS hazard class: A, B.5, D.2.B

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

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.

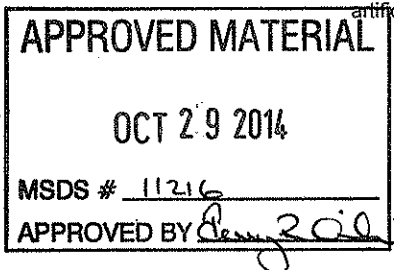
See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
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
Mineral oil	Unknown	60 - 100

4. FIRST AID MEASURES

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



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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.
Notes to physician:	Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

Flash point:	< -17.78 °C (< 0°F)
Autoignition temperature:	Not available.
Flammable/Explosive limits - lower:	1 % Upper/lower explosion limit
Flammable/Explosive limits - upper:	9.5 % Upper/lower explosion limit
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
Sensitivity to Mechanical Impact:	Not available.
Sensitivity to static discharge:	Not available.

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
Butane	1,000 ppm STEL	None	None	None
Naphtha, petroleum, heavy alkylate, <0.1% Benzene	5 mg/m3 TWA	5 mg/m3 TWA 100 ppm (400 mg/m3) PEL	None	None
Propane	Included in the regulation but with no data values. See regulation for further details	1,000 ppm (1,800 mg/m3) PEL	None	None
Barium sulfate	5 mg/m3 TWA Inhalable fraction.	5 mg/m3 PEL Respirable fraction. 15 mg/m3 PEL Total dust.	None	None
Mineral oil	5 mg/m3 TWA mist 10 mg/m3 STEL mist	5 mg/m3 TWA mist	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:	Not available.
Melting point/ range:	Not available.
Specific gravity:	0.77
Vapor density:	Not available.
Flash point:	< -17.78 °C (< 0°F)
Flammable/Explosive limits - lower:	1 % Upper/lower explosion limit
Flammable/Explosive limits - upper:	9.5 % Upper/lower explosion limit
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

Toxicologically synergistic products: Not available.

Refer to the following for Irritancy of Product, Sensitization to Product, Carcinogenicity, Reproductive Toxicity, Teratogenicity, and Mutagenicity.

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

Hazardous components	LD50s and LC50s	Health Effects/Target Organs
Butane	Inhalation LC50 (RAT, 4 h) = 658 mg/l	Cardiac, Central nervous system, Irritant
Naphtha, petroleum, heavy alkylate, <0.1% Benzene	None	Irritant
Propane	Inhalation LC50 (RAT, 15 min) = > 1,442.847 mg/l Inhalation LC50 (RAT, 15 min) = > 1,464 mg/l	Cardiac, Central nervous system, Irritant
Barium sulfate	None	Lung
Mineral oil	None	No Data

12. ECOLOGICAL INFORMATION

Ecological information: Not available.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

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

14. TRANSPORT INFORMATION

Canada Transportation of Dangerous Goods - Ground

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

Canada Regulatory Information

CEPA DSL/NDL Status: All components are listed or are exempt from listing on the Toxic Substances Control Act inventory.

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.

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: Reviewed MSDS. Reissued with new date.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR), and the MSDS contains all the information required by the CPR.

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