



Revision Number: 002.1

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	White Lithium Grease Multi-Purpose Lubricant	IDH number:	226637
Product type:	Lubricant	Item number:	30543
Company address:	Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067	Region:	United States
		Contact information:	Telephone: 860.571.5100 Emergency telephone: 860.571.5100 Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state:	Aerosol	HMIS:	
Color:	Milky, yellow	HEALTH:	*2
Odor:	Solvent	FLAMMABILITY:	4
		PHYSICAL HAZARD:	1
		Personal Protection:	See MSDS Section 8

DANGER: EXTREMELY FLAMMABLE.
CONTENTS UNDER PRESSURE.
HARMFUL IF INHALED.
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation: Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. May cause irritation to nose and throat. Central nervous system depression, including dizziness, drowsiness, fatigue, nausea, headache, unconsciousness. Extreme overexposure may result in unconsciousness and possibly death. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Skin contact: May cause irritation due to defatting of the skin.

Eye contact: Direct spray or vapors will irritate and may harm eyes.

Ingestion: Not expected under normal conditions of use.

Existing conditions aggravated by exposure: Eye, skin, and respiratory disorders.

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	%
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	30 - 60
n-Heptane	142-82-5	10 - 30
Acetone	67-64-1	10 - 30
Butane	106-97-8	10 - 30
Propane	74-98-6	10 - 30

4. FIRST AID MEASURES

Inhalation:	Move to fresh air. If symptoms persist, seek medical advice.
Skin contact:	Wash clothing before reuse. Remove contaminated clothing and footwear. Wash with soap and water. If symptoms develop and persist, get medical attention.
Eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Ingestion:	Do not induce vomiting. Get immediate medical attention.

5. FIRE FIGHTING MEASURES

Flash point:	< -18 °C (< 0.4 °F)
Flashback:	This product exhibits flashback when tested for flame extension.
Flame projection:	122 cm (48.03 inch)
Autoignition temperature:	Not available
Flammable/Explosive limits - lower:	1.1 %
Flammable/Explosive limits - upper:	12.8 %
Extinguishing media:	Carbon dioxide. Foam. Dry chemical.
Special firefighting procedures:	If water is used, fog nozzles are preferable. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. Water spray may be ineffective.
Unusual fire or explosion hazards:	Exposure to temperatures above 49°C (120°F) may cause container to burst. Do not puncture or incinerate pressurized containers. Contents under pressure. Do not handle or store near an open flame, heat or other sources of ignition.
Hazardous combustion products:	Oxides of carbon.

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:	Remove all sources of ignition. Ventilate area.
Clean-up methods:	Store in a partly filled, closed container until disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE

Handling:	Vapors will accumulate readily and may ignite explosively. Keep away from heat, spark and flame. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling.
Storage:	Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F). Store away from ignition sources. Keep in a cool, well ventilated area. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst.

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
Distillates (petroleum), hydrotreated heavy naphthenic	5 mg/m3 TWA mist 10 mg/m3 STEL mist	5 mg/m3 TWA mist	None	None
n-Heptane	400 ppm TWA 500 ppm STEL	500 ppm (2,000 mg/m3) TWA	None	None
Acetone	500 ppm TWA 750 ppm STEL	1,000 ppm (2,400 mg/m3) TWA	None	None
Butane	None	None	None	None
Propane	1,000 ppm TWA	1,000 ppm (1,800 mg/m3) TWA	None	None

Engineering controls:

Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.

Respiratory protection:

Observe OSHA regulations for respiratory use (29 CFR 1910.134). If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH.

Eye/face protection:

Safety goggles or safety glasses with side shields.

Skin protection:

Chemical resistant, impermeable gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Aerosol
Color:	Milky, yellow
Odor:	Solvent
Odor threshold:	Not available
pH:	Not applicable
Vapor pressure:	Not available
Boiling point/range:	0 - 212 °F (-17.8 - 100°C) none
Melting point/ range:	Not available
Specific gravity:	0.76
Vapor density:	Heavier than air.
Flash point:	< -18 °C (< 0.4 °F)
Flashback:	This product exhibits flashback when tested for flame extension.
Flame projection:	122 cm (48.03 inch)
Flammable/Explosive limits - lower:	1.1 %
Flammable/Explosive limits - upper:	12.8 %
Autoignition temperature:	Not available
Evaporation rate:	Faster than ether.
Solubility in water:	Not available
Partition coefficient (n-octanol/water):	Not available
VOC content:	44 %; 320 g/l

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous reactions:	Will not occur.
Hazardous decomposition products:	Oxides of carbon.
Incompatible materials:	Strong oxidizing agents.
Conditions to avoid:	Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F).

11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Distillates (petroleum), hydrotreated heavy naphthenic	No	No	No
n-Heptane	No	No	No
Acetone	No	No	No
Butane	No	No	No
Propane	No	No	No

Hazardous components	Health Effects/Target Organs
Distillates (petroleum), hydrotreated heavy naphthenic	Irritant
n-Heptane	Central nervous system, Irritant
Acetone	Blood, Central nervous system, Irritant, Reproductive
Butane	Cardiac, Central nervous system, Irritant
Propane	Cardiac, Central nervous system, Irritant

12. ECOLOGICAL INFORMATION

Ecological information: Not available

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Do not incinerate. Depressurize cans. Follow all local, state, federal and provincial regulations for disposal.

Hazardous waste number: Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

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
DOT Reportable quantity: Acetone
Exceptions: Consumer Commodity, ORM-D, (Not more than 1 L)

International Air Transportation (ICAO/IATA)

Proper shipping name: Aerosols, flammable
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: None
Exceptions: ID8000, (Not more than 500 ml)

Water Transportation (IMO/IMDG)

Proper shipping name: AEROSOLS (n-Heptane)
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: None
Marine pollutant: n-Heptane
Exceptions: Limited quantity (Not more than 1 L).

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:	N-Heptane (CAS# 142-82-5).
CERCLA/SARA Section 302 EHS:	None above reporting de minimus
CERCLA/SARA Section 311/312:	Immediate Health, Delayed Health, Fire, Pressure
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:	D.2.B, A, B.5

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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