



Revision Number: 003.1

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: White Lithium Grease	IDH number: 270638
Product type: Lubricant	Item number: 30530
	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 Emergency telephone: 860.571.5100 Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Semi-Solid	HEALTH: 1
Color: white	FLAMMABILITY: 1
Odor: mild, Petroleum	PHYSICAL HAZARD: 0
	Personal Protection: See MSDS Section 8

CAUTION: MAY CAUSE EYE IRRITATION.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation: This product has low volatility and is not expected to cause respiratory tract irritation during normal conditions of use. Exposures to high mist levels in poorly ventilated areas may cause temporary irritation to the upper respiratory tract.

Skin contact: Prolonged or repeated contact may cause irritation.

Eye contact: Swelling. Tissue damage. Non-irritating.

Ingestion: May cause gastrointestinal tract irritation if swallowed. Nausea.

Existing conditions aggravated by exposure: None known

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), solvent-dewaxed heavy paraffinic	64742-65-0	60 - 100
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	10 - 30
Castor oil, hydrogenated, lithium salt	64754-95-6	10 - 30
Titanium dioxide	13463-67-7	1 - 5
Zinc oxide	1314-13-2	1 - 5

4. FIRST AID MEASURES

Inhalation: Move to fresh air. If symptoms develop and persist, get medical attention.

Skin contact:	If symptoms develop and persist, get medical attention. If high pressure forces the product under the skin get immediate medical attention. Remove contaminated clothing and footwear. Wash with soap and water.
Eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Ingestion:	Get medical attention. Do not induce vomiting. Give a conscious person several glasses of water. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Flash point:	160 °C (320°F) HST-US D09F; Flash/Fire Point By Cleveland Open Cup
Autoignition temperature:	Not available.
Flammable/Explosive limits - lower:	Not available.
Flammable/Explosive limits - upper:	Not available.
Extinguishing media:	Dry chemical. foam Carbon dioxide.
Special firefighting procedures:	Avoid spreading liquid with water used for cooling purposes.
Unusual fire or explosion hazards:	None
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:	Do not allow product to enter sewer or waterways.
Clean-up methods:	Store in a partly filled, closed container until disposal. Scrape up as much material as possible. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE

Handling:	Keep container closed. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing.
Storage:	Keep in a cool, well ventilated area. Keep container closed.

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), solvent-dewaxed heavy paraffinic	5 mg/m ³ TWA Inhalable fraction.	500 ppm (2,000 mg/m ³) TWA 5 mg/m ³ TWA Mist.	None	None
Distillates (petroleum), hydrotreated heavy naphthenic	5 mg/m ³ TWA mist 10 mg/m ³ STEL mist 5 mg/m ³ TWA Inhalable fraction.	5 mg/m ³ TWA mist 500 ppm (2,000 mg/m ³) TWA 5 mg/m ³ TWA Mist.	None	None
Castor oil, hydrogenated, lithium salt	None	None	None	None
Titanium dioxide	10 mg/m ³ TWA	15 mg/m ³ TWA Total dust.	None	None
Zinc oxide	2 mg/m ³ TWA Respirable fraction. 10 mg/m ³ STEL Respirable fraction.	5 mg/m ³ TWA Fume. 5 mg/m ³ TWA Respirable fraction. 15 mg/m ³ TWA Total dust.	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). Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

Eye/face protection:

Full face protection should be used if the potential for splashing or spraying of product exists. Safety goggles or safety glasses with side shields.

Skin protection:

Nitrile gloves. Butyl rubber gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Semi-Solid
Color:	white
Odor:	mild, Petroleum
Odor threshold:	Not available.
pH:	Not applicable
Vapor pressure:	Not available.
Boiling point/range:	Not available.
Melting point/ range:	Not available.
Specific gravity:	0.91
Vapor density:	Not available.
Flash point:	160 °C (320°F) HST-US D09F; Flash/Fire Point By Cleveland Open Cup
Flammable/Explosive limits - lower:	Not available.
Flammable/Explosive limits - upper:	Not available.
Autoignition temperature:	Not available.
Evaporation rate:	Not available.
Solubility in water:	Insoluble
Partition coefficient (n-octanol/water):	Not determined
VOC content:	Not available.

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous reactions:	Will not occur.
Hazardous decomposition products:	Oxides of carbon. Oxides of zinc. Hydrocarbons.
Incompatible materials:	Strong oxidizing agents.
Conditions to avoid:	Heat.

11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Distillates (petroleum), solvent-dewaxed heavy paraffinic	No	No	No
Distillates (petroleum), hydrotreated heavy naphthenic	No	No	No
Castor oil, hydrogenated, lithium salt	No	No	No
Titanium dioxide	No	Group 2B	No
Zinc oxide	No	No	No

Hazardous components	Health Effects/Target Organs
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Irritant
Distillates (petroleum), hydrotreated heavy naphthenic	Irritant
Castor oil, hydrogenated, lithium salt	No Records
Titanium dioxide	Irritant, Respiratory, Some evidence of carcinogenicity
Zinc oxide	Blood, Gastrointestinal, Immune system, Irritant, Kidney, Metabolic, Nervous System, Pancreas, Respiratory, Skin

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: Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

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

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

International Air Transportation (ICAO/IATA)

Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Zinc oxide)
Hazard class or division: 9
Identification number: UN 3077
Packing group: III

Water Transportation (IMO/IMDG)

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc oxide)
Hazard class or division: 9
Identification number: UN 3077
Packing group: III
Marine pollutant: Zinc oxide

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: None

CERCLA/SARA 313: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Zinc oxide (CAS# 1314-13-2).

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 Canadian Domestic Substances List.

WHMIS hazard class: Not controlled

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

Prepared by: C.J. Michaels, Manager, Regulatory Affairs

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