



Safety Data Sheet

according to WHMIS 2023 and HCS 2024

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Date of issue 01/19/2026

Version number 5.01

Revision: 06/26/2025

* 1 Identification

· Product identifier

· Trade name: 8461

- Other Means of Identification: White Lithium Grease
- Related Part Number: 8461, 8461-85ML, 8461-1P

· Application of the substance / the mixture Lubricant

- Uses advised against Not available

· Details of the supplier of the safety data sheet

Manufacturer/Supplier:
MG Chemicals (Head Office)
1210 Corporate Drive
Burlington, Ontario L7L 5R6
CANADA
+(1) 800-340-0772
+(1) 905-331-1396
info@mgchemicals.com

Distributor:

Masline
511 Clinton Ave S
Rochester, New York 14620
United States
+(1) 586-546-5373

- Information department: sds@mgchemicals.com

· Emergency telephone number:

For hazardous material incidents ONLY (leaks, spills, fires, exposures or accidents)
USA or CANADA-Call 3E at +1-866-519-4752 or +1-760-476-3962 (Service access code: 335388)

For emergencies involving the transport of dangerous goods; 24/7 service
CANADA-Call CANUTEC collect at +1-613-996-6666 or *666 on cellular phones

* 2 Hazard identification

· Classification of the substance or mixture

Aquatic Acute 2 H401 Toxic to aquatic life.
Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

· Label elements

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

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· **Hazard pictograms**



GHS09

· **Signal word** Not applicable

· **Hazard statements**

H411 Toxic to aquatic life with long lasting effects.

· **Precautionary statements**

P273 Avoid release to the environment.

P391 Collect spillage.

P501 Dispose of contents and container in accordance with local, regional, and national regulations.

· **Other hazards** Not available

3 Composition/Information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic	62.0% w/w
64742-62-7	Residual oils (petroleum), solvent-dewaxed	27.0% w/w
7620-77-1	lithium 12-hydroxystearate	5.0% w/w
1314-13-2	zinc oxide	4.0% w/w
13463-67-7	titanium dioxide	1.0% w/w

4 First-aid measures

· **Description of first aid measures**

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:** Generally the product does not irritate the skin.

· **After eye contact:** Rinse opened eye for several minutes under running water.

· **After swallowing:** If symptoms persist consult doctor.

· **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

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5 Fire-fighting measures

- **Extinguishing media**
 - **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture**
 - **Hazardous combustion products:**
 - Carbon Oxides (COx)
 - Zinc oxides
- **Advice for firefighters**
 - **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required
- **Environmental precautions:**
 - Do not allow product to reach sewage system or any water course.
 - Inform respective authorities in case of seepage into water course or sewage system.
 - Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
 - Dispose contaminated material as waste according to section 13.
- **Reference to other sections**
 - See Section 7 for information on safe handling.
 - See Section 8 for information on personal protection equipment.
 - See Section 13 for disposal information.

7 Handling and storage

- **Precautions for safe handling** No special precautions are necessary if used correctly.
 - **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
 - **Storage:**
 - **Requirements to be met by storerooms and receptacles:** No special requirements.
 - **Information about storage in one common storage facility:** Not required
 - **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

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8 Exposure controls/ Personal protection

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

1314-13-2 zinc oxide	
EL (Canada)	STEL: 10 mg/m ³ TWA: 2 mg/m ³ respirable
EV (Canada)	STEL: 10 mg/m ³ TWA: 2 mg/m ³ respirable
PEL (USA)	TWA: 15* 5** mg/m ³ *total dust **respirable fraction and fume
REL (USA)	STEL: 10** mg/m ³ TWA: 5 mg/m ³ Ceiling: 15* mg/m ³ *dust only **fume
TLV (USA)	STEL: 10* mg/m ³ TWA: 2* mg/m ³ *respirable particulate matter
13463-67-7 titanium dioxide	
EL (Canada)	TWA: 10* 3** mg/m ³ IARC 2B, +total dust; **resp. fraction
EV (Canada)	TWA: 10 mg/m ³ total dust
PEL (USA)	TWA: 15* mg/m ³ *total dust
REL (USA)	See Pocket Guide App. A
TLV (USA)	TWA: 0.2* 2.5** mg/m ³ resp. fraction, *nanoscale, **finescale, A3

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**

· **Appropriate engineering controls** No further data; see section 7.

· **Personal protective equipment:**

· **General protective and hygienic measures:** Wash hands before breaks and at the end of work.

· **Breathing equipment:** Not required

· **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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- **Penetration time of glove material**
 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Not required

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

- **Physical state**: Solid
- **Form:** Grease
- **Color:** Whitish
- **Odor:** Odorless
 - **Odor threshold:** Not determined
- **Melting point/Melting range:** 185 °C (365 °F)
- **Boiling point/Boiling range:** 371 °C (699.8 °F)
- **Flammability:** Not determined
- **Explosion limits:**
 - **Lower:** Not determined
 - **Upper:** Not determined
- **Flash point:** 185 °C (365 °F)
- **Auto igniting:** Not determined
- **Decomposition temperature:** Not determined
- **pH-value:** Not applicable
- **Viscosity:**
 - **Kinematic:** Not applicable
 - **Dynamic:** Not applicable
- **Solubility in / Miscibility with**
 - **Water:** Soluble.
- **Partition coefficient (n-octanol/water):** Not determined
- **Vapor pressure:** Not applicable
- **Relative density at 25 °C (77 °F):** 0.89
- **Vapor density (air=1):** Not applicable
- **Particle characteristics**: Not determined

· **Other information**

· **Important information on protection of health and environment, and on safety.**

- **Ignition temperature:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **VOC content:** 0.00 %
- **Solids content:** 100.0 %
- **Evaporation rate**: Not applicable.

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10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
 - **Thermal decomposition / conditions to be avoided:**
 No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

· **Information on toxicological effects**

· **Acute toxicity:**

· LD/LC50 values that are relevant for classification:		
1314-13-2 zinc oxide		
Oral	LD50	7,950 mg/kg (rat)
13463-67-7 titanium dioxide		
Oral	LD50	>20,000 mg/kg (rat)
Dermal	LD50	>10,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6.82 mg/L (rat)

· **Summary of effects and symptoms by route of exposure**

- **Eyes:**
 - may cause mild irritation
 - may cause redness
- **Skin:** redness, may cause mild irritation
- **Inhalation:** none known or expected
- **Swallowed:**
 - Low toxicity:
 - nausea
 - diarrhea
 - abdominal pain
 - vomiting
- **Delayed and immediate effects as well as chronic effects from short and long-term exposure**
 No further relevant information available.
- **Additional toxicological information:**

· **Carcinogenic categories**

· IARC (International Agency for Research on Cancer)	
13463-67-7 titanium dioxide	2B

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· NTP (National Toxicology Program)
None of the ingredients is listed.

12 Ecological information

· **Toxicity**

· Aquatic toxicity:
1314-13-2 zinc oxide
LC50 0.042 mg/L (fish)

- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable
 - **vPvB:** Not applicable
- **Other adverse effects**
 - **Remark:** Toxic for fish

13 Disposal considerations

- **Waste treatment methods**
 - **Recommendation:** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
 - **Recommendation:** Disposal must be made according to official regulations.
 - **Recommended cleansing agent:** Water, if necessary with cleansing agents.

* 14 Transport information

· UN-Number <ul style="list-style-type: none">· DOT/TDG, IMDG, IATA	UN3077
· UN proper shipping name <ul style="list-style-type: none">· DOT/TDG	NOT REGULATED by DOT Environmentally hazardous substance, solid, n.o.s. (zinc oxide)
· IMDG	NOT REGULATED for sea freight IMDG according to 2.10.2.7 for sizes up to 5 kg.

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<ul style="list-style-type: none"> · IATA 	<p>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc oxide) NOT REGULATED by Air IATA Special Provision A197 for sizes 5kg or less. Environmentally hazardous substance, solid, n.o.s. (zinc oxide)</p>
<ul style="list-style-type: none"> · Transport hazard class(es) · DOT/TDG, IMDG 	
 <ul style="list-style-type: none"> · Class · Label 	<p>9 Miscellaneous dangerous substances and articles 9</p>
<ul style="list-style-type: none"> · IATA 	
 <ul style="list-style-type: none"> · Class · Label 	<p>9 Miscellaneous dangerous substances and articles 9</p>
<ul style="list-style-type: none"> · Packing group · DOT/TDG, IMDG, IATA 	<p>III</p>
<ul style="list-style-type: none"> · Environmental hazards: · Special marking (IATA): 	<p>Symbol (fish and tree)</p>
<ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	<p>Not applicable</p>
<ul style="list-style-type: none"> · Transport/Additional information: · DOT/TDG · Quantity limitations 	<p>On passenger aircraft/rail: 400 kg On cargo aircraft only: 400 kg</p>
<ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) 	<p>5 kg Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g</p>
<ul style="list-style-type: none"> · Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Stowage Category 	<p>Not applicable 90 F-A,S-F A</p>

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· Stowage Code	SW23 When transported in BK3 bulk container, see 7.6.2.12 and 7.7.3.9.
· UN "Model Regulation":	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (ZINC OXIDE), 9, III

***15 Regulatory information**

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **OSHA Hazard Communication Standard (29 CFR Part 1900)**

The safety data sheet and label comply with HCS 2024.

· **Hazardous Products Act (R.S.C., 1985, c. H-3)**

The safety data sheet and label comply with the Hazardous Product Act and WHMIS 2023.

· **Sara**

· Section 355 (extremely hazardous substances):
None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):
1314-13-2 zinc oxide

· TSCA (Toxic Substances Control Act):	
7620-77-1 lithium 12-hydroxystearate	ACTIVE
1314-13-2 zinc oxide	ACTIVE
13463-67-7 titanium dioxide	ACTIVE

· Hazardous Air Pollutants
None of the ingredients is listed.

· **Proposition 65**

· Chemicals known to cause cancer:
None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:
None of the ingredients is listed.

· **Carcinogenic categories**

· TLV (Threshold Limit Value)	
13463-67-7 titanium dioxide	A4

· NIOSH-Ca (National Institute for Occupational Safety and Health)
13463-67-7 titanium dioxide

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· **Canadian substance listings:**

· Canadian Domestic Substances List (DSL)
All ingredients are listed.
· Canadian Non-Domestic Substances List (NDSL)
None of the ingredients is listed.
· Canadian Ingredient Disclosure list (limit 0.1%)
None of the ingredients is listed.
· Canadian Ingredient Disclosure list (limit 1%)
1314-13-2 zinc oxide

· **HMIS-ratings (scale 0 - 4)**

Health = 1
 Fire = 1
 Reactivity = 0

· **Europe**

· **RoHS (Restriction of Hazardous Substances Directive)**

This product does not contain any lead, cadmium, mercury, hexavalent chromium, PBB's, PBDE's, DEHP, BBP, DBP, or DIBP and complies with European RoHS regulations.

· **WEEE (Waste Electrical and Electronic Equipment Directive)**

This product is not a piece of electrical or electronics equipment, and is therefore not governed by this regulation.

· Per- and polyfluoroalkyl substances (PFAS)
None of the ingredients is listed.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:** Product safety department.

· **Contact:** sds@mgchemicals.com

· **Version number of previous version:** 5.00

· **Date of preparation** 01/19/2026

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 VOC: Volatile Organic Compounds (USA, EU)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 NIOSH: National Institute for Occupational Safety

· * **Data compared to the previous version altered.**