



WHITE LITHIUM GREASE

Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

Issue date: 11/05/2021 Revision date: 15/08/2025 Supersedes: 25/10/2021 Version: 1.2

SECTION 1: Product identifier

1.1. GHS Product identifier

Product form : Mixture
Trade name : WHITE LITHIUM GREASE

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

No additional information available

1.4. Details of manufacturer or importer

Manufacturer

Whitmore Manufacturing LLC
930 Whitmore Drive
Rockwall, Texas 75087
USA
T 1.972.771.1000
Regulatory@whitmores.com - www.jetlube.com

Distributor

XTEX
Unit 5, 309 Victoria Road
Malaga, W.A, 6090
Australia
1300-00-XTEX(9839)
sales@xtex.com.au xtex.com.au

1.5. Emergency phone number

Emergency number : For Chemical Emergency Call Ricardo Emergency Response 24hr/day 7days/week
Within USA and Canada: +1.215.207.0061
Outside USA and Canada: +44.1235.239670
(collect calls accepted)

Country/Area	Organisation/Company	Address	Emergency number	Comment
Australia	NSW Poisons Information Centre The Children's Hospital at Westmead	Locked Bag 4001 NSW 2145	13 11 26	
Australia	Ricardo-Australia		+61.2.8014.4558	
Australia	Ricardo-Australia		1800.074.234 (toll-free, Australia only)	

SECTION 2: Hazard identification

2.1. Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Not classified

2.2. GHS Label elements, including precautionary statements

No labelling applicable

2.3. Other hazards which do not result in classification

No additional information available

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SECTION 3: Composition and information on ingredients

Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
zinc oxide	1314-13-2	5.0 - 10.0	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Other substances (not contributing to the classification of this product)	-	Up to 100%	-

SECTION 4: First aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

4.2. Symptoms caused by exposure

No additional information available

4.3. Medical attention and special treatment

Other medical advice or treatment	: Treat symptomatically.
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SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam.
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5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire	: Toxic fumes may be released.
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5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Hazchem Code	: 2Z

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures	: Exercise caution. Spill area may be slippery.
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6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up	: Mechanically recover the product.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

zinc oxide (1314-13-2)

Australia - Occupational Exposure Limits

Local name	Zinc oxide
OES TWA	10 mg/m ³ dust 5 mg/m ³ fume
OES STEL	10 mg/m ³ fume
Remark (AU)	(a) This value is for inhalable dust containing no asbestos and < 1% crystalline silica.
Regulatory reference	Workplace exposure standards for airborne contaminants (2019)

8.2. Biological Monitoring

No additional information available

8.3. Engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

8.4. Individual protection measures, such as personal protective equipment (PPE)

Hand protection : Neoprene or nitrile rubber gloves

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR), Neoprene rubber (HNBR)	2 (> 30 minutes)	0.3 mm - 0.6 mm		

Eye protection : Wear eye protection
Skin and body protection : Wear suitable protective clothing
Respiratory protection : No respiratory protection needed under normal use conditions
Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

Physical state : Solid
Appearance : Grease.
Colour : white
Odour : petroleum-like odour
Odour threshold : No data available
pH : No data available
pH solution : No data available
Relative evaporation rate (butylacetate=1) : No data available
Melting point / Freezing point : Freezing point: Not applicable
Boiling point : No data available
Flash point : Not applicable
Auto-ignition temperature : Not applicable
Flammability : No data available
Vapour pressure : No data available
Relative density : No data available
Density : No data available
Solubility : insoluble in water.
Partition coefficient n-octanol/water (Log Pow) : No data available

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Viscosity, kinematic	: Not applicable
Explosive properties	: No data available
Explosive limits	: Not applicable
Minimum ignition energy	: No data available
Fat solubility	: No data available

SECTION 10: Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Incompatible materials	: No additional information available
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

zinc oxide (1314-13-2)

LD50 oral rat	> 5000 mg/kg (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 5.7 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (dust))

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

zinc oxide (1314-13-2)

LOAEL (dermal, rat/rabbit, 90 days)	75 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
NOAEL (oral, rat, 90 days)	31.52 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Aspiration hazard	: Not classified
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Viscosity, kinematic	Not applicable
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SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

12.1. Ecotoxicity

Ecology - general	: Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Very toxic to aquatic life with long lasting effects.

zinc oxide (1314-13-2)

LC50 - Fish [1]	0.169 mg/l (ASTM E729-88, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Read-across, Zinc ion)
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zinc oxide (1314-13-2)	
EC50 - Crustacea [1]	0.098 mg/l
NOEC chronic algae	0.0299 mg/l
Partition coefficient n-octanol/water (Log Pow)	1.53 (Estimated value)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.2 (log Koc, Literature study)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 oral rat	> 5000 mg/kg (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral)

12.2. Persistence and degradability

WHITE LITHIUM GREASE	
Persistence and degradability	Not rapidly degradable
zinc oxide (1314-13-2)	
Persistence and degradability	Not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable

12.3. Bioaccumulative potential

zinc oxide (1314-13-2)	
Partition coefficient n-octanol/water (Log Pow)	1.53 (Estimated value)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.2 (log Koc, Literature study)
Bioaccumulative potential	Slightly or not bioaccumulative.

12.4. Mobility in soil

zinc oxide (1314-13-2)	
Surface tension	Not applicable
Partition coefficient n-octanol/water (Log Pow)	1.53 (Estimated value)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.2 (log Koc, Literature study)

12.5. Other adverse effects

Ozone : Not classified
Other adverse effects : No additional information available

WHITE LITHIUM GREASE	
Fluorinated greenhouse gases	False
zinc oxide (1314-13-2)	
Fluorinated greenhouse gases	False

SECTION 13: Disposal considerations

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.




SECTION 14: Transport information

In accordance with ADG / IMDG / IATA

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ADG	IMDG	IATA
14.1. UN number		
3077	3077	3077
14.2. UN Proper Shipping Name		
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS : zinc oxide)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS : zinc oxide)	Environmentally hazardous substance, solid, n.o.s. (CONTAINS : zinc oxide)
Transport document description		
Not applicable	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS : zinc oxide), 9, III, MARINE POLLUTANT	UN 3077 Environmentally hazardous substance, solid, n.o.s. (CONTAINS : zinc oxide), 9, III
14.3. Transport hazard class(es)		
9	9	9
		
14.4. Packing group		
III - Substances presenting low danger	III	III
14.5. Environmental hazards		
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes

14.6. Special precautions for user

Specific storage requirement : No data available
Shock sensitivity : No data available

14.7. Additional information

Other information : No supplementary information available

Transport by road and rail

UN-No. (ADG) : 3077
Special provision (ADG) : 274, 331, 335, 375, AU01
Limited quantities (ADG) : 5kg
Excepted quantities (ADG) : E1
Packing instructions (ADG) : P002, IBC08, LP02
Special packing provisions (ADG) : PP12, B3
Portable tank and bulk container instructions (ADG) : T1, BK2, BK3
Portable tank and bulk container special provisions (ADG) : TP33

Transport by sea

UN-No. (IMDG) : 3077
Special provisions (IMDG) : 274, 335, 375, 966, 967, 969
Limited quantities (IMDG) : 5 kg
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : LP02, P002
Special packing provisions (IMDG) : PP12
IBC packing instructions (IMDG) : IBC08
IBC special provisions (IMDG) : B3
Tank instructions (IMDG) : BK1, BK2, BK3, T1
Tank special provisions (IMDG) : TP33
EmS-No. (Fire) : F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage) : S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS
Stowage category (IMDG) : A
Stowage and handling (IMDG) : SW23

Air transport

UN-No. (IATA) : 3077
PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y956

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PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 956
PCA max net quantity (IATA) : 400kg
CAO packing instructions (IATA) : 956
CAO max net quantity (IATA) : 400kg
Special provisions (IATA) : A97, A158, A179, A197, A215
ERG code (IATA) : 9L

14.8. Hazchem or Emergency Action Code

Hazchem Code : 2Z

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations

Australian Industrial Chemicals Introduction Scheme (AICIS)

Australian Inventory of Industrial Chemicals (AICIS) : All the chemicals contained in this product are listed introductions
Inventory) status

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

No additional information available

Australian Pesticides and Veterinary Medicines Authority (APVMA)

No additional information available

15.2. International agreements

No additional information available

SECTION 16: Other information

Revision date : 15/08/2025

Classification

Not classified

Full text of H-statements

Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

Safety Data Sheet (SDS), Australia

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.