Safety Data Sheet

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: : MP014780

Other Means of Identification : White Lithium Grease

1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

Application of the substance / the mixture

Multi-purpose lubricant.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Premier Farnell
150 Armley Road
Leeds LS12 2QQ
Tel. : +44 (0) 8701 202530

Emergency telephone number

+44 1865 407333

Section 2: Hazard(s) Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

GHS09 environment

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

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GB CLP regulation.

Hazard pictograms

GHS09

Signal word Void

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/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

Determination of endocrine-disrupting properties

Endocrine Disruptor substance

Section 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 1314-13-2	zinc oxide	4%
EINECS: 215-222-5	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
CAS: 13463-67-7	titanium dioxide	1%
EINECS: 236-675-5	substance with a Community workplace exposure limit	
Non - hazardous components and components below classification threshold		
CAS: 64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic	62%
EINECS: 265-169-7		
CAS: 64742-62-7	Residual oils (petroleum), solvent-dewaxed	27%
EINECS: 265-166-0		
CAS: 7620-77-1	lithium 12-hydroxystearate	5%

Additional information: For the wording of the listed hazard phrases refer to section 16.

Section 4: First-Aid Measures

4.1 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.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture

Vapors are heavier than air. Vapors may travel to sources of ignition near the ground. They can cause flash fire or ignite explosively.

5.3 Advice for firefighters

Protective equipment: No special measures required.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Not required.

6.2 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.

6.3 Methods and material for containment and cleaning up:
Dispose contaminated material as waste according to section 13.

6.4 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.

Section 7: Handling and Storage

7.1 Precautions for safe handling No special precautions are necessary if used correctly.
Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: Store in a cool location.
Information about storage in one common storage facility: Not required.
Further information about storage conditions: None.
Store in cool, dry conditions in well sealed receptacles.

7.3 Specific end use(s) No further relevant information available.

Section 8: Exposure controls/personal protection

8.1 Control parameters
Ingredients with limit values that require monitoring at the workplace:
13463-67-7 titanium dioxide
WEL Long-term value: 10* 4** mg/m³
*total inhalable **respirable
Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls
Appropriate engineering controls No further data; see section 7.
Individual protection measures, such as personal protective equipment
General protective and hygienic measures:
Wash hands before breaks and at the end of work.
Respiratory protection: Not required.
Hand protection
The glove material has to be impermeable and resistant to the product/ the substance/ thee 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.

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/face protection Not required.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

General Information	
Physical state	: Solid
Colour	: According to product specification
Odour	: Characteristic
Odour threshold	: Not determined.
Melting point/freezing point	:185°C
Boiling point or initial boiling point and boiling range	: 371°
Flammability	: Not determined.
Lower and upper explosion limit	
Lower	: Not determined.
Upper	: Not determined.
Flash point	: 185°C
Decomposition temperature	: Not determined.
pH	: Not applicable.
Viscosity:	
Kinematic viscosity	: Not applicable.
Dynamic	: Not applicable.
Solubility	
water	: Soluble.
Partition coefficient n-octanol/water (log value)	: Not determined.
Vapour pressure	: Not applicable.
Density and/or relative density	
Density at 20°C	: 0.89 g/cm³
Relative density	: Not determined.
Vapour density	: Not applicable.

See section 3.

9.2 Other information

Appearance:	
Form	**:** Solid
Important information on protection of health and environment, and on safety.	
Ignition temperature	: Product is not selfigniting.
Explosive properties	: Product does not present an explosion hazard.
Solvent content:	
Solids content	: 100%
Change in condition	
Evaporation rate	: Not applicable.

Information with regard to physical hazard classes	
Explosives	: Void
Flammable gases	: Void
Aerosols	: Void
Oxidising gases	: Void
Gases under pressure	: Void
Flammable liquids	: Highly flammable liquid and vapour.
Flammable solids	: Void
Self-reactive substances and mixtures	: Void
Pyrophoric liquids	: Void
Pyrophoric solids	: Void
Self-heating substances and mixtures	: Void
Substances and mixtures, which emit flammable gases in contact with water	: Void
Oxidising liquids	: Void
Oxidising solids	: Void
Organic peroxides	: Void
Corrosive to metals	: Void
Desensitised explosives	: Void

Section 10: Stability and Reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: No dangerous decomposition products known.

Section 11: Toxicological Information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity Based on available data, the classification criteria are not met.

L D / LC50 values relevant for classification:

1314-13-2 zinc oxide

Oral	LD50	>5,000 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)

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation
Based on available data, the classification criteria are not met.
Germ cell mutagenicity Based on available data, the classification criteria are not met.
Carcinogenicity Based on available data, the classification criteria are not met.
Reproductive toxicity Based on available data, the classification criteria are not met.
STOT-single exposure Based on available data, the classification criteria are not met.
STOT-repeated exposure Based on available data, the classification criteria are not met.
Aspiration hazard Based on available data, the classification criteria are not met.

11.2 Information on other hazards
Endocrine disrupting properties
None of the ingredients is listed.

Section 12: Ecological Information

12.1 Toxicity
Aquatic toxicity: No further relevant information available.
12.2 Persistence and degradability No further relevant information available.
12.3 Bioaccumulative potential No further relevant information available.
12.4 Mobility in soil No further relevant information available.
12.5 Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

12.6 Endocrine disrupting properties
The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects
Remark: Toxic for fish
Additional ecological information:
General notes:
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms.

Section 13: Disposal Considerations

13.1 Waste treatment methods
Recommendation
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
European waste catalogue
HP14 Ecotoxic

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.
Recommended cleansing agents: Water, if necessary together with cleansing agents.

Section 14: Transport Information

14.1 UN number or ID number
ADR, IMDG, IATA : UN3077

14.2 UN proper shipping name

ADR : NOT REGULATED by Ground ADR Special Provision 375 for sizes 5kg or less.
3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc oxide)

IMDG : NOT REGULATED by Sea IMDG per 2.10.2.7 for sizes 5kg or less.
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc oxide), MARINE POLLUTANT

IATA : NOT REGULATED by Air IATA Special Provision A197 for sizes 5kg or less.
Environmentally hazardous substance, solid, n.o.s. (zinc oxide)

14.3 Transport hazard class(es)

ADR, IMDG, IATA

Class : 9 Miscellaneous dangerous substances and articles.

Label : 9

14.4 Packing group

ADR, IMDG, IATA : III

14.5 Environmental hazards

Marine pollutant : Symbol (fish and tree)

Special marking (ADR) : Symbol (fish and tree)

Special marking (IATA) : Symbol (fish and tree)

14.6 Special precautions for user : Warning: Miscellaneous dangerous substances and articles.

Hazard identification number (Kemler code) : 90

EMS Number : F-A,S-F

Stowage Category : A

Stowage Code : SW23 When transported in BK3 bulk container, see 7.6.2.12 and 7.7.3.9.

14.7 Maritime transport in bulk according to IMO instruments : Not applicable.

Transport/Additional information:

ADR

Limited quantities (LQ) : 5kg

Excepted quantities (EQ) : Code: E1
Maximum net quantity per inner packaging: 30g
Maximum net quantity per outer packaging: 1000g

Transport category : 3

Tunnel restriction code : (-)

IMDG

Limited quantities (LQ) : 5kg

Excepted quantities (EQ) : Code: E1
Maximum net quantity per inner packaging: 30g
Maximum net quantity per outer packaging: 1000g

UN "Model Regulation" : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (ZINC OXIDE), 9, III

Section 15: Regulatory Information

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

Poisons Act

Regulated explosives precursors

None of the ingredients is listed.

Regulated poisons

None of the ingredients is listed.

Reportable explosives precursors

None of the ingredients is listed.

Reportable poisons

None of the ingredients is listed.

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

Seveso category E2 Hazardous to the Aquatic Environment

Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

AnnexII - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring ofm trade between the Community and third countries in drug precursors

None of the ingredients is listed.

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

Section 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.

Relevant phrases

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Department issuing SDS: Product safety department.

Contact: sds@mgchemicals.com

Date of previous version: 06.02.2024

Version number of previous version: 3

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

ATE: Acute toxicity estimate values

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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

Part Number
MP014780