

## SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name **SHIMANO PREMIUM GREASE**  
Identification of Substance/Preparation  
GREASE  
Application : Industrial Lubricating Grease  
SDS No. : PG20140325-Eng  
Company Identification  
Manufacture & Distributor : SHIMANO NORTH AMERICA BICYCLE, INC.  
Address : One Holland, Irvine, California 92618 U.S.A.  
Emergency and Phone number : +1-949-951-5003  
  
Manufacture & Distributor : SHIMANO EUROPE B.V.  
Address : High Tech Campus 92 NL-5656 AG Eindhoven, The Netherlands  
Emergency and Phone number : +1-40-2612222  
E-mail : shimano.eu.sds@shimano-eu.com  
  
Manufacture & Distributor : SHIMANO INC.  
Address : 3-77 Oimatsu-cho Sakaiku Sakai OSAKA 5908577, JAPAN  
Emergency and Phone number : 0570-031961

### 2. HAZARDS IDENTIFICATION

The classification was made according to the latest editions of the EC-lists, and expanded upon from company and literature data.

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aquatic Chronic 3 ; H412 - Hazardous to the aquatic environment : Category 3 ;  
Harmful to aquatic life with long lasting effects. Eye Irrit. 2 ; H319 - Serious eye damage/eye irritation  
: Category 2A ; Causes serious eye irritation.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictogram : Exclamation mark (GHS07)



Signal word : Warning  
Hazard statements : H319 Causes serious eye irritation.  
H412 Harmful to aquatic life with long lasting effects.  
Precautionary statements : P264 Wash hands thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear protective gloves / protective clothing / eye protection / face protection.  
P337 / 313 If eye irritation persists: Get medical advice / attention.  
P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do.  
Continue rinsing.

#### 2.3. Other hazards

None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

##### Description

Base oil with thickener and additives.

##### Hazardous ingredients

2-ETHYLHEXYL-ZINK-DITHIOPHOSPHAT ; REACH registration No. : 01-2119493635-27-000 ;

EC No. : 224-235-5; CAS No. : 4259-15-8

Weight fraction : 2,5 - < 5 %

Classification 1272/2008 [CLP]: Eye Dam. 1 ; H318 Aquatic Chronic 2 ; H411

##### Additional information

Full text of R-, H- and EUH-phrases: see section 16.

#### 3.3. Additional information

For ingredients without any information about the EG-number we will use a generic name according to RL 1999/45/EG amendment VI.Highly refined mineral oil (IP 346 DMSO extract < 3%).

### 4. FIRST AID MEASURES

#### 4.1. Description of first aid measures

**General information** : Remove contaminated, saturated clothing immediately.

**In case of inhalation** : No special measures are necessary. Provide fresh air.  
When in doubt or if symptoms are observed, get medical advice.

**In case of skin contact** : After contact with skin, first remove product with a dry cloth and then wash the skin with plenty of water.

**After eye contact** : Remove contact lenses, if present and easy to do. Continue rinsing.  
Wash with plenty of water. Call a physician immediately.

**After ingestion** : Do NOT induce vomiting. Call a physician immediately.

#### 4.2. Most important symptoms and effects, both acute and delayed

No information available.

#### 4.3. Indication of any immediate medical attention and special treatment needed

None.

### 5. FIRE FIGHTING MEASURES

#### 5.1. Extinguishing Media

**Suitable extinguishing media** : Water spray jet, foam, extinguishing powder. Carbon dioxide (CO<sub>2</sub>) . Sand.  
Co-ordinate fire-fighting measures to the fire surroundings.

**Unsuitable extinguishing media** : Full water jet .

#### 5.2. Special hazards arising from the substance or mixture

##### Hazardous combustion products

Carbon dioxide (CO<sub>2</sub>) , Nitrogen oxides (NO<sub>x</sub>). Sulphur dioxide (SO<sub>2</sub>). Carbon monoxide.  
Aliphatic and aromatic pyrolysis products.

#### 5.3. Advice for firefighters

##### Special protective equipment for firefighters

Use suitable breathing apparatus.

#### 5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothes. Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work.

### 6.2. Environmental Precautions

Do not allow to enter into surface water or drains.

### 6.3. Methods and material for containment and cleaning up

Special danger of slipping by leaking/spilling product. Take up mechanically. Disposal: see section 13 .

### 6.4. Reference to other sections

None.

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

No hazardous reaction when handled and stored according to provisions. ( Health hazards : None ) .

Avoid contact with skin, eyes and clothes.

#### Protective measures

##### Measures to prevent aerosol and dust generation

No special measures are necessary.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Dispose according to legislation.

#### Hints on joint storage

Possibility of hazardous reactions : Oxidising agent .

#### Further information on storage conditions

Keep/Store only in original container. Notice the directions for use on the label.

Do not store at temperatures below : 0°C.

Recommended storage temperature : 5 °C - 40 °C .

Protect against :

Protect against direct sunlight. Keep away from heat.

Storage stability :

> 6 months ( 5 °C - 40 °C ) .

### 7.3. Specific end use (s)

None.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1. Control parameters

None

### 8.2. Exposure controls

#### Appropriate engineering controls

See protective measures under point 7 and 8.

#### Personal protection equipment

General health and safety measures No special measures are necessary.

##### Eye/face protection

Additional eye protection measures : 39 - Wear eye/face protection.

##### Skin protection

##### Hand protection

Tested protective gloves must be worn Breakthrough time (maximum wearing time) : 4 hours ( NBR (Nitrile rubber) , Thickness of the glove material : 0,4 mm ) . See information supplied by the manufacturer.

##### Respiratory protection

No special measures are necessary.

### General health and safety measures

Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing immediately.  
Wash hands before breaks and after work. 13 - Keep away from food, drink and animal feeding stuffs.  
Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance	:	Paste
Odour	:	characteristic
Safety relevant basis data		
Melting point/melting range :	( 1013 hPa )	> 150 °C
Boiling temperature/boiling range :	( 1013 hPa )	> 250 °C
Flash point :		> 200 °C
Danger of explosion:		No explosive hazard
Density :	( 20 °C )	ca. 0,93 g/cm <sup>3</sup> DIN 51757
Solubility in / Miscibility with Water:		Not miscible or difficult to mix.

### 9.2. Other information

None.

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

No information available.

### 10.3. Possibility of hazardous reactions

No information available.

### 10.4. Conditions to avoid

Stable under recommended storage and handling conditions (See section 7).

### 10.5. Incompatible materials

Oxidising agent, strong.

### 10.6. Hazardous decomposition products

Does not decompose when used for intended uses. Decomposition temperature (°C): > 240 °C .  
Thermal decomposition can lead to the escape of irritating gases and vapours.  
Hazardous decomposition products : Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). aldehydes.  
Ketone , Sulphur oxides , Nitrogen oxides (NO<sub>x</sub>).

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

**Irritant and corrosive effects** : Repeated exposure may cause skin dryness or cracking.  
After eye contact : Irritation to eyes .

#### Primary irritation to the skin

##### Practical experience/human evidence

No hazardous reaction when handled and stored according to provisions. ( Health hazards : None known. )

**Sensitization** : No information available.

## 12. ECOLOGICAL INFORMATION

Do not allow to enter into surface water or drains.

### 12.1. Toxicity

#### Aquatic toxicity

##### Acute (short-term) fish toxicity

Parameter :	LC50
Species :	Brachydanio rerio (zebra-fish)
Effective dose :	> 100 mg/l
Exposure time :	96 h

Parameter :	EC50
Species :	Daphnia magna (Big water flea)
Effective dose :	> 100 mg/l
Exposure time :	48 h

##### Acute (short-term) algae toxicity

Parameter :	EbC50
Species :	Acute (short-term) algae toxicity
Effective dose :	> 100 mg/l
Exposure time :	96 h

### 12.2. Persistence and degradability

No information available.

### 12.3. Bio accumulative potential

No information available.

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

No information available.

### 12.6. Other adverse effects

No information available.

### 12.7. Further ecological information

None

## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

#### Product/Packaging disposal

##### Waste treatment options

Appropriate disposal / Product: ASN 12 01 12: spent waxes and fats.

Appropriate disposal / Package : Contaminated packages must be completely emptied and can be re-used following proper cleaning. Completely emptied packages can be recycled. Packing which cannot be properly cleaned must be disposed of. Handle contaminated packages in the same way as the substance itself.

##### Other disposal recommendations

Dispose according to legislation. Do not allow to enter into surface water or drains.

## 14. TRANSPORT INFORMATION

### 14.1. UN number

No dangerous goods in sense of this transport regulation.

### 14.2. UN proper shipping name

No dangerous goods in sense of this transport regulation.

### 14.3. Transport hazard class (es)

No dangerous goods in sense of this transport regulation.

### 14.4. Packing group

No dangerous goods in sense of this transport regulation.

### 14.5. Environmental hazards

No dangerous goods in sense of this transport regulation.

### 14.6. Special precautions for user

None

### 14.8. Additional information

No dangerous goods in sense of these transport regulations.

## 15. REGULATORY INFORMATION

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

#### EU legislation

Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP].

### 15.2. Chemical Safety Assessment

No information available.

## 16. OTHER INFORMATION

### 16.1. Indication of changes

02. Labelling according to Regulation (EC) No. 1272/2008 [CLP]

### 16.2. Abbreviations and acronyms

None

### 16.3 Key literature references and sources for data

None

### 16.4 Relevant H- and EUH-phrases (Number and full text)

H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

### 16.5 Training advice

None

### 16.6 Additional information

**Reference:** Eni Schmiertechnik GmbH  
Material Safety Data Sheet according to Regulation (EC) 1907/2006  
AUTOL TOP 2000, Art.-no. 1610 Version 6.0.0 [Revision date : 24.04.2015]

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