

SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name Internal Hub Maintenance Oil

Unique Formula Identifier (UFI) -

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

Identified Use(s) Lubricant.

Uses Advised Against Use only for intended applications.

1.3 Details of the supplier of the safety data sheet

Manufacture & Distributor SHIMANO EUROPE B.V.
Address High Tech Campus 92, 5656 AG Eindhoven, The Netherlands
Emergency and Phone number +31-402-612222 (Business Hours Only)
E-mail shimano.eu.sds@shimano-eu.com

1.4 Emergency telephone number

Emergency telephone +31-402-612222 (Only available during office hours.)

Ireland National Poisons Information Centre Beaumont Hospital
PO Box 1297 Beaumont Road 9 Dublin
+353 1 809 2566 (Healthcare professionals-24/7)
+353 1 809 2166 (public, 8am - 10pm, 7/7)

United Kingdom National Poisons Information Service (Newcastle Centre)
Regional Drugs and Therapeutics Centre, Wolfson Unit
Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle
0844 892 0111 (UK only, 24/7, healthcare professionals only)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP) Not classified as dangerous for supply/use.

2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)

Product Name Internal Hub Maintenance Oil

Hazard Pictogram(s) None.

Signal Word(s) None.

Hazard Statement(s) None.

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Precautionary Statement(s) None.

Unique Formula Identifier (UFI) -

2.3 Other hazards

This product does not contain any substances classified as PBT or vPvB. Endocrine disrupting properties : None. (This is based on information currently available.)

2.4 Additional Information

None.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances**

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Lubricating oils**	64742-52-5	265-155-0 2119467170-45-XXXX	90-99	Not classified	None
Additive*	Confidential	Confidential	1-9	Not classified.	None
Dyestuff (blue)*	Confidential	Confidential	<0.1	Not classified	None

*: Voluntary disclosure.

** Note L :

The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3. Refer to special instructions/safety data sheet.

Contains no non-classified vPvB substances.

Contains no non-classified substances with a Union workplace exposure limit.

For full text of H/P Statements see section 16.

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

General information

Get medical advice/attention if you feel unwell. Refer to special instructions/safety data sheet.

Description of first aid measures : Wear appropriate personal protective equipment, avoid direct contact.

Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

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Skin Contact	Remove patient from exposure. Wash skin with water. If symptoms develop, obtain medical attention.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms persist, obtain medical attention.
Ingestion	Wash out mouth with water. Do not induce vomiting. If symptoms develop, obtain medical attention.
Advice for first aider	Wear appropriate personal protective equipment, avoid direct contact.

4.2 Most important symptoms and effects, both acute and delayed

None anticipated. Treat symptomatically.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable Extinguishing media	Foam, Carbon dioxide, Water fog or dry powder. Small fires: Carbon dioxide, Dry powder. Larger fires: Foam. Stop air supply if possible.
Unsuitable extinguishing media	Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Heating of containers may cause pressure rise, with risk of bursting. Heating may cause decomposition. Decomposition products may include toxic fumes.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Evacuate the area and keep personnel upwind. Keep containers cool by spraying with water if exposed to fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Wear protective equipment to comply with good occupational hygiene practice. Wash hands and exposed skin after use.

6.2 Environmental precautions

Do not allow to enter drains, sewers or watercourses. Large spillages: Spillages or uncontrolled discharges into watercourses must be alerted to the Environment Agency or other appropriate regulatory body. Clean contaminated objects and areas thoroughly, observing environmental regulations.

6.3 Methods and material for containment and cleaning up

Small spillages: Adsorb spillages onto sand, earth or any suitable adsorbent material. Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Wipe up remainder then remove to safe place. Large spillages: Dike far ahead of larger spills for later disposal. Cover the spilled material with: Alcohol resistant foam. Transfer to a container for disposal. Seal containers and label them.

6.4 Reference to other sections

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See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

General hygiene measures for the handling of chemicals are applicable. Wear protective clothing as per section 8. Wash hands thoroughly after handling. Do not eat, drink or smoke at the work place. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers properly sealed when not in use.

Storage temperature

≤ 40°C

Storage life

Stable under normal conditions.

Incompatible materials

Strong acids, Strong oxidising agents, Peroxides, Alkalis, Alkali metal hydroxides, Halogens.

7.3 Specific end use(s)

Lubricant.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

No Occupational Exposure Limit assigned.

8.2 Exposure controls

8.2.1. Appropriate engineering controls

Provide adequate ventilation. Use explosion-proof electrical/ventilating/lighting/equipment. Take precautionary measures against static discharges. Mechanical ventilation or local exhaust ventilation may be required. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment



Eye Protection

Wear eye protection with side protection (EN ISO 16321-1). Wear protective eye glasses for protection against liquid splashes.



Skin protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Wear impervious gloves (EN374). Breakthrough time of the glove material: refer to the information provided by the gloves' producer.



Respiratory protection

Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. In case of inadequate ventilation wear respiratory protection. Recommended: Half-face particle mask/respirator (DIN EN 140/143) .Quarter-face mask (DIN EN 140) .Filter type : Dust, Mist filter

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Thermal hazards

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

8.2.3. Environmental Exposure Controls Keep containers properly sealed when not in use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid.
Colour	Blue.
Odour	Oil-like.
Melting point/freezing point	-32.5°C (Lubricating oils)
Boiling point or initial boiling point and boiling range	≥ 250°C (Lubricating oils)
Flammability	Not known.
Lower and upper explosion limit	1-7%(Lubricating oils)
Flash Point	≥ 160°C (Lubricating oils)
Auto-ignition temperature	Not known.
Decomposition Temperature	Not known.
pH	Not known.
Kinematic Viscosity	Not known.
Solubility	Solubility (Water) : Insoluble in water. Solubility (Other) : Soluble in: Organic solvents.
Partition coefficient n-octanol/water (log value)	Not known.
Vapour pressure	Not known.
Density and/or relative density	Relative density : 0.91@ 25°C
Relative vapour density	Not known.
Particle characteristics	Not known.
9.2 Other information	
Volatility rate	The product is non-volatile.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Can react with - Strong oxidising agents, Peroxides.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Can react with - Strong oxidising agents, Peroxides.

10.4 Conditions to avoid

Heat and direct sunlight.

10.5 Incompatible materials

Strong acids, Strong oxidising agents, Peroxides, Alkalis, Alkali metal hydroxides,

Halogens.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

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

Acute toxicity - Ingestion	Calculation method : Not classified. Based on available data, the classification criteria are not met. Lubricating oils : LD50 (oral,rat) mg/kg: 5000-15000
Acute toxicity - Skin Contact	Calculation method : Not classified. No information available.
Acute toxicity - Inhalation	Calculation method : Not classified. No information available.
Skin corrosion/irritation	Calculation method : Not classified. No information available.
Serious eye damage/irritation	Calculation method : Not classified. No information available.
Skin sensitization data	Calculation method : Not classified. No information available.
Respiratory sensitization data	Calculation method : Not classified. No information available.
Germ cell mutagenicity	Calculation method : Not classified. No information available.
Carcinogenicity	Calculation method : Not classified. Lubricating oils : IARC Classification: Group 3. Note L : The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3.
Reproductive toxicity	Calculation method : Not classified. No information available.
Lactation	Calculation method : Not classified. Not classified. No information available.
STOT - single exposure	Calculation method : Not classified. No information available.
STOT - repeated exposure	Calculation method : Not classified. No information available.
Aspiration hazard	Calculation method : Not classified.

No information available.

11.2 Information on other hazards

Route(s) of entry

Skin, Eyes, Ingestion, Inhalation, Health effects: See section 4.2.

Endocrine disrupting properties

Does not cause endocrine disruption.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity - Aquatic invertebrates

Calculation method .Not classified.

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

Toxicity - Fish

Not classified.

Toxicity - Algae

Not classified.

Toxicity - Sediment Compartment

Not known.

Toxicity - Terrestrial Compartment

Not known.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

Insoluble in water. The product has low mobility in soil.

12.5 Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6 Endocrine disrupting properties

Does not cause endocrine disruption.

12.7 Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of empty containers and wastes safely. Dispose of this material and its container as hazardous waste.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

Not classified as hazardous for transport.

14.1 UN number or ID number

Not applicable

14.2 UN proper shipping name

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Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Not classified as a Marine Pollutant.

14.6 Special precautions for user

Not known

14.7 Maritime transport in bulk according to IMO instruments

Not known

SECTION 15: REGULATORY INFORMATION

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

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Not listed

Concern for Authorisation

REACH: ANNEX XIV list of substances Not listed

subject to authorisation

REACH: Annex XVII Restrictions on the Not listed

manufacture, placing on the market and

use of certain dangerous substances,

mixtures and articles

Community Rolling Action Plan (CoRAP) Not listed

Regulation (EU) N° 2019/1021 of the Not listed

European Parliament and of the Council

on persistent organic pollutants

Regulation (EC) N° 1005/2009 on Not listed

substances that deplete the ozone layer

Regulation (EU) N° 649/2012 of the Not listed

European Parliament and of the Council

concerning the export and import of

hazardous chemicals

National regulations

Other

Not known.

15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

The following sections contain revisions 1, 2, 3, 11, 12, 16

or new statements:

Training advice:

Ensure operatives are trained to minimise exposure. Only trained personnel should use this material.

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Date of Revision: 07-11-2024

Revision: 3

LEGEND

Hazard Pictogram(s) None.

Precautionary Statement(s) None.

Acronyms

ATE : Acute Toxicity Estimate

CAS : Chemical Abstracts Service

CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

DNEL : Derived No Effect Level

EC : European Community

EINECS : European Inventory of Existing Commercial Chemical Substances

LTEL : Long term exposure limit

PBT : Persistent, Bioaccumulative and Toxic

PNEC : Predicted No Effect Concentration

REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals

STEL : Short term exposure limit

STOT : Specific Target Organ Toxicity

vPvB : very Persistent and very Bioaccumulative

Key literature references and sources for Regulation (EC) No. 1272/2008 (CLP)
data used to compile the SDS

Disclaimers

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