

Trade name: DY-050 Dynamic Hydraulic Mineral Oil

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Version: 1.0/ EN

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SECTION 1: Identification of the mixture and of the company

1.1 Product identifier

Trade name/ designation: DY-050 Dynamic Hydraulic Mineral Oil

1.2 Relevant identified uses of the mixture and uses advised against

Relevant identified uses

Brake fluid for hydraulic disc brakes

1.3 Details of the supplier of the safety data sheet

Supplier:

Dynamic Bike Care B.V.
Slotenmakerstraat 11, 2672 GC Naaldwijk
Information contact: Rob Fleu
E-Mail: info@dynamicbikecare.com

1.4 Emergency telephone number

Tel.: +31-850220362

SECTION 2: Hazards identification

2.1 Classification of the mixture

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

The product is classified and labeled as per CLP-Regulation.

Asp. Tox. 1; H304 May be fatal if swallowed and enters airways.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 (CLP/GHS)

Hazard pictograms:



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Signal word:

Danger.

Hazard statements:

H304 May be fatal if swallowed and enters airways.

Precautionary statements:

P102 Keep out of reach of children.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P301+P310 If swallowed: Call a poison center/doctor.
P331 Do not induce vomiting.

2.3 Other hazards

No information available.

SECTION 3: Composition/ information on ingredients

3.1 Mixtures:

Hazardous ingredients:

Substance name	CAS-No. EG-No.	Classification	Concentration
White mineral oil	8042-47-5 -	Asp. Tox. 1; H304	80 % < x < 85 %
Amine, C12-14-tert-alkyl-, reaction products with O,O-Di-C1-14-alkylhydrogenphosphorodithioat	71888-91-0 -	Flam. Liq. 3; H226 Skin Sens. 1; H317 Aquatic Chronic 2; H411	< 1 %
Reaction products of Dihydro-3-(tetrapropenyl)furan-2,5 dione with propane-1,2,diol	- 947-696-0	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412	< 0,2 %

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SECTION 4: First aid measures

4.1 Description of first aid measures

General informations:	In all cases of doubt or if there are symptoms, seek medical advice. In cases of unconsciousness, bring person in recovery position and seek medical advice immediately.
Following inhalation:	Product can only be inhaled in cases of strong oil mist. Bring exposed person to fresh air. If there are any symptoms, seek medical treatment.
Following skin contact:	Clean with water and soap. In case of persisting skin irritation consult a doctor.
Following eye contact:	Rinse immediately with plenty of water. In case of persisting symptoms consult a doctor.
Following ingestion:	Consult doctor immediately, do not induce vomiting. Rinse out mouth with water.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguish media

Suitable extinguishing media:
CO₂, foam, water only to cool exposed materials

Unsuitable extinguishing media:
Water jet.

5.2 Special hazards arising from the mixture

Hazardous combustion products

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———— Carbon dioxide, carbon monoxide, sulphur oxides, nitrogen oxides, phosphor oxide ————

5.3 Advice for fire-fighters

Additional information

Wear self-contained breathing apparatus. Danger depends on burning materials and fire condition. Contaminated extinguishing water has to be disposed in accordance with the official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Protective equipment: Wear personal protective equipment. Use protection against the effects of fumes.

Emergency procedures: Keep ignition sources away. Danger of slipping on leaked or spilled product.

6.2 Environmental precautions

Prevent entry into sewers, surface water and ground water.

6.3 Methods and material for containment and cleaning up

For containment: Restrain with oil binding agent

For cleaning up: Absorb with liquid binding material

Other information: See section 7 for information on safe handling

See section 8 for information on personal safety equipment

See section 13 for information on disposal

6.4 Reference to other sections

Additional information

See sections 7, 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

General protective measures

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~~Do not inhale gases and fumes. Avoid eye contact.~~

Protective measures for safe handling

Avoid oil mist.

Hygiene measures

See to thorough skin cleansing and skin care after usage. Do not eat, drink or smoke during the usage. Immediately take off soiled clothes.

Fire protection measures

Keep away of sources of ignition. Do not smoke.

Environmental measures

Prevent entry into sewers, surface water and ground water.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Only store in original container.

Hints on storage assembly

Storage class: LGK 10

Further information on storage conditions

Recommended storage temperature: room temperature

7.3 Specific end uses:

Recommendations:

Brake fluid for hydraulic disc brakes

SECTION 8: Exposure controls/ personal protection

8.1 Control parameters

No information available.

8.2 Exposure controls

Eye/ Face protection

Suitable eye protection: Tightly sealed safety goggles.

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Skin protection

Hand protection: Gloves (oil-resistant).

Respiratory protection

Respiratory protection in case of fog formation.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state: liquid

Colour: reddish

Smell: specific

Basic information

	Value	Temperature
pH-value	Not measured	-
Pour point	-	< -10 °C
Flash point	-	Not determined
Relative density	Approx. 0.86 g/cm ³	20 °C
Kin. Viscosity	Approx. 9 mm ² /s	40 °C
Lower explosion limit	Not determined	-
Upper explosion limit	Not determined	-
Solubility in water	Insoluble	-

Oxidizing characteristics

No information available.

Explosive Properties

No information available.

9.2 Other information

No information available.

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SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

The material is normally stable at moderately elevated temperatures and pressures.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

Avoid temperatures above 50 °C.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No dangerous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

There are no toxicological data available. The statements are derived from the properties of the single components.

Acute toxicity

LD₅₀ (rat oral) > 2000 mg/kg. There are no indications that there is acute danger by one-time swallowing, skin contact or inhalation of the product.

Skin corrosion/ irritation

There are no indications that the product is corrosive or irritating to skin.

Eye damage/ -irritation

There are no indications that the product is irritating or harmful to the eyes.

Sensitisation to respiratory tract/ skin

The mixture does not contain substances with the potential of sensitisation to the respiratory tract.

Skin sensitisation

There are no indications that the product has the potential of sensitisation to the skin.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity

No known significant or critical hazards.

Carcinogenicity

No known significant or critical hazards.

Reproductive toxicity

No known significant or critical hazards.

Overall assessment on CMR properties

No known significant or critical hazards.

Specific target organ toxicity (single exposure)

STOT SE 1 and 2

No known harmful effects on organs in case of single exposure.

Specific target organ toxicity (repeated exposure)

STOT RE 1 and 2

No known harmful effects on organs in case of repeated exposure.

Aspiration hazard

Aspiration hazard, aspiration may cause pulmonary edema and pneumonia.

SECTION 12: Ecological information

12.1 Toxicity

There are no ecotoxicological data of the mixture. The ecotoxicological properties are determined by the ecotoxicological properties of the individual substances.

Aquatic toxicity

No information available.

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Sediment toxicity

No information available.

Terrestrial toxicity

No information available.

12.2 Persistence and degradability

Biodegradation

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

The individual substances of the mixture do not meet the PBT-/vPvB criteria of the REACH regulation, Annex XIII.

12.6 Other adverse effects

No information available.

12.7 Additional ecotoxicological information

Prevent the uncontrolled entry of the product into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Since empty containers contain residues, follow the warning labels even after emptying the container. Contaminated packaging has to be optimally emptied. After appropriate cleaning, the packaging can be recycled.

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~~— Treatment, storage, transport and disposal have to follow the respective applicable federal or local regulations.~~

SECTION 14: Transport information

	Land transport (ADR/ RID)	Sea transport (IMDG)	Air transport (ICAO-TI/ IATA)
14.1 UN No	No dangerous goods in the sense of the transport regulation	No dangerous goods in the sense of the transport regulation	No dangerous goods in the sense of the transport regulation
14.2 UN Proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	-	-	-

14.6 Special precautions for user

No information available.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

SECTION 15: Regulatory information

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

Comply with directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer:
Not included or not included in regulated amounts included.

Regulation (EU) No. 2019/1021 on persistent organic pollutants:
Not included or not included in regulated amounts included.

Regulation (EU) No. 649/2012 concerning the export and import of hazardous chemicals:
Not included or not included in regulated amounts included.

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~~Regulation (EC) No. 1907/2006, REACH Article 59. Candidate list of substances of very high concern for authorisation:~~

Not included or not included in regulated amounts included.

Regulation (EC) No. 1907/2006, REACH annes XIV authorisation list:

Not included or not included in regulated amounts included.

Regulation (EC) No. 1907/2006 annex XVII restrictions on the manufacturing, marketing and use of certain dangerous substances, mixtures and articles:

Not applicable.

Directive 2012/18/EC (Seveso III) on the control of major-accident hazards involving dangerous substances:

Not applicable.

15.1.1 National regulations

German water hazard class 1, self-classification according to § 4 AwSV.

15.2 Chemical safety assessment

The chemical safety assessment of substances in this mixture has not been conducted.

SECTION 16: Other information

16.1 Classification for mixtures and used evaluation method according to Regulation (EC) 1207/2008 (CLP)

The product is classified as per CLP-regulation.

16.2 Wording of the H- and EUH-Sentences

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H411	Toxic to aquatic life with long-lasting effects.
H412	Harmful to aquatic life with long-lasting effects.

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16.3 Further Information

The information of the safety data sheet are based on our todays state of knowledge and serve to describe the product with regard to the safety precautions. The information represent no guarantee of the characteristics of the product.

Pay attention to existing national and local laws regarding chemicals. We ask you to use this information confidential and only use it internally. Handling and application only according the technical information and data sheet.

Disclaimer

Given the fact, that conditions and methods of use are beyond our control, we do not take responsibility for the manner of use of this product and hereby disclaim any liability.

It is assumed, that these information are true and correct. But all information are without warranty, be it explicit or implicit, with regard to correctness of the information, the dangers or effect related to the usage of the product.

It is the users responsibility to comply with federal and local laws.