

DYNAMAX HYDRAULIC LIFTER CARE**Safety data sheet**

(Regulation 1907/2006/EC, amended by 2015/830/EU)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY /UNDERTAKING**1.1. Product identifier**

Material Name:	DYNAMAX HYDRAULIC LIFTER CARE		
CAS:		EINECS:	
		ELINCS:	


1.2. Identified uses

Uses:	The product reduces wear and tear of hydraulic lifters.
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1.3. Details of the supplier of the safety data sheet

Manufacturer/Supplier:	EURO-VAT spol. s r.o.		
IČO:	18049397		
Address:	Aleššince 231		
	951 22		
	Aleššince		
	Slovakia		
Phone/fax number:	+421 37 7822 326-7		
E-mail:	eurovat@eurovat.sk www.eurovat.sk		
Emergency phone number:	National Poisons Information Service: City Hospital, Birmingham B187QH, United Kingdom Phone: +44 121 507 4123 E-mai: allistervale(at)npis.org , sallybradberry(at)npis.org Website: www.npis.org		

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture	Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] Hazard categories: Aspiration hazard: Asp. Tox. 1 Hazardous to the aquatic environment: Aquatic Chronic 3
2.2 Label elements	Hazard pictograms (CLP/GHS) :  Signal word: danger H-phrases: H304 May be fatal if swallowed and enters airways. H412 Harmful to aquatic life with long lasting effects. P-phrases: P273 Avoid release to the environment. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/. P331 Do NOT induce vomiting. P405 Store locked up.

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2.3 Other hazards	<p>P501 Dispose of contents/container to a hazardous waste in accordance with relevant legislation.</p> <p>Contains: lubricating oils (petroleum), C24-C50</p> <p><u>Precautionary statements</u></p> <p>Prevention : Do not breathe vapour. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.</p> <p>Response : Get medical attention if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell.</p> <p>Storage : Store in original container in a well ventilated area at temperatures up to 40 °C.</p> <p>Disposal : Not applicable.</p> <p>Supplemental label elements: Not applicable.</p> <p><u>Special packaging requirements</u></p> <p>Containers to be fitted with child-resistant fastenings: Applicable.</p> <p>Tactile warning of danger: Applicable.</p> <p>Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII: Not available.</p> <p>Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII: Not available.</p> <p>Other hazards which do not result in classification: Not available.</p>
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SECTION 3. COMPOSITION/INFORMATION ON IGREDIENTS

Product /ingredient name	CAS	EC	Symbols	Conc.	Registr. no REACH	GHS classification	
lubricating oils (petroleum), C24-C50	101316-72-7	309-877-7	GHS08	60 – 80	01-2119489969-06-xxxx	Asp. Tox. 1	H304
zinkdialkyldithiophosphat	68649-42-3	272-028-3	GHS07,09	max. 2	01-2120742271-64-xxxx	Eye Dam.1 Skin Irrit.2 Aquatic Chronic 2	H315 H318 H411

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

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures	<p>Eye contact: After eye contact: Rinse immediately carefully and thoroughly with eye-bath or water. Consult an ophthalmologist. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.</p> <p>Inhalation: Provide fresh air. When in doubt or if symptoms are observed, get medical advice.</p> <p>Skin contact: After contact with skin, wash immediately with polyethylene glycol, followed by plenty of water. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.</p> <p>Ingestion: Rinse mouth immediately and drink plenty of water. Induce omiting when the affected person is not unconscious. Medical treatment necessary. Do NOT induce vomiting.</p>
4.2 Most important symptoms and effects, both acute and delayed	<p><u>Potential acute health effects</u></p> <p>Eye contact: Symptoms: burning eyes. First aid: Rinse gentle stream of water for at least 15 minutes. If</p>

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	<p>symptoms persist, consult a doctor.</p> <p>Inhalation : Inhalation occurs facial flushing and feeling drunk.</p> <p>Skin contact : Wash off with warm water and soap and apply a suitable cream.</p> <p>Ingestion : After ingestion rinse mouth with water. Give water to drink. Do not induce vomiting. Seek medical advice..</p>
4.3 Indication of any immediate medical attention and special treatment needed	Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media	Carbon dioxide (CO ₂), Foam, Extinguishing powder. In case of fire, use sand, extinguishing powder or alcohol resistant foam.
5.2. Unsuitable extinguishing media	Water. Full water jet.
5.3. Specific hazards	Flammable. Vapours can form explosive mixtures with air. Vapours are heavier than air, spread along floors and form explosive mixtures with air.
5.4. Protective equipment for firefighters	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.
Additional advice	Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions	Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.
6.2. Environmental precautions	Do not discharge into drains or rivers. Contain the spillage using bunding.
6.3. Clean up methods	Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

SECTION 7. HANDLING AND STORAGE

7.1. Handling	If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. The substance should only be handled in closed apparatus or systems. Vapours/aerosols must be exhausted directly at the point of origin. Avoid contact with skin and eyes.
7.2 . Storage	Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharge. Vapours can form explosive mixtures with air. Take precautionary measures against static discharge. Keep away from sources of ignition. - No smoking.

SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1. Control parameters	Ventilation respectively. exhausting work areas. The work may not be readily combustible substances and other dangerous source of fire.
8.2 Exposure controls	Observe the usual precautions for health at work and in good ventilation. When using do not eat, drink or smoke.
8.2.1 Occupational exposure controls	<p>a) Respiratory protection: it is necessary only in case of exceeding the TWA (mask with organic vapor filter type A)</p> <p>b) Eye protection: safety glasses</p> <p>c) Protection of hands: protective gloves (EN 374)</p>

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<p>8.2.2. Environmental exposure controls</p> <p>8.3. TWA</p>	<p>d) protection: clothing (impermeable overalls and closed safety boots)</p> <p>To prevent leakage of concentrated mixture into surface water drains or soil. Mixture stored in tightly sealed and labeled containers.</p> <p>No data available.</p>
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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Fysical state	liquid
Colour	colourless
Odour	charakteristic
pH	not available
Flash point (ASTM-D92) [°C]	>220
Boiling point [°C]	not available
Freezing point [°C]	-39
Flammability	not available
Temperature of spontaneous combustion [°C]	not available
Lower limit of explosion	not available
Superior limit of explosion	not available
Oxidising properties	not available
Vapour pressure [hPa]	not available
Relative density [g.cm ⁻³] typ.	0,850
Water solubility [g.l ⁻¹]	not miscible
Solubility in solvents [g.l ⁻¹]	most organic solvents
9.2 Other information	No additional information.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity	Flammable, Ignition hazard.
10.2 Chemical stability	The product is stable under storage at normal ambient temperatures.
10.3 Possibility of hazardous reactions	No known hazardous reactions.
10.4 Conditions to avoid	Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air.
10.5 Incompatible materials	No information available.
10.6 Hazardous decomposition products	Gases/vapours, toxic. No known hazardous decomposition products.

SECTION 11. TOXICOLOGICAL INFORMATION

<p>11.1 Information on toxicological effects</p>	<p><u>Acute toxicity</u></p> <p><u>Acute oral toxicity:</u> lubricating oils (petroleum), C24-C50: LD50 (rat) > 2000 mg/kg zinkdialkyldithiophosphat: LD50 (rat) = 3144 mg/kg</p> <p><u>Acute dermal toxicity:</u> lubricating oils (petroleum), C24-C50: LD50 (rabbit) > 2000 mg/kg</p>
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	<p><u>zinkdialkyldithiophosphat:</u> LD50 (rabbit) > 2000 mg/kg</p> <p><u>Acute inhalation toxicity:</u> No data available.</p> <p><u>Irritation/Corrosion</u> Conclusion/Summary : Not available.</p> <p><u>Sensitisation</u> Conclusion/Summary : Not available.</p> <p><u>Mutagenicity</u> Conclusion/Summary : Not available.</p> <p><u>Carcinogenicity</u> Conclusion/Summary : Not available.</p> <p><u>Reproductive toxicity</u> Conclusion/Summary : Not available.</p> <p><u>Teratogenicity</u> Conclusion/Summary : Not available.</p> <p><u>Aspiration hazard</u> May be fatal if swallowed and enters airways.</p> <p>Information on the likely routes of exposure: Not available.</p> <p><u>Symptoms related to the physical, chemical and toxicological characteristics</u> Eye contact : No specific data. Inhalation : No specific data. Skin contact: No specific data Ingestion: No specific data.</p> <p><u>Delayed and immediate effects and also chronic effects from short and long term exposure</u></p> <p><u>Short term exposure</u> Potential immediate effects: Not available. Potential delayed effects : Not available.</p> <p><u>Long term exposure</u> Potential immediate effects: Not available. Potential delayed effects: Not available. <u>Potential chronic health effects</u> Conclusion/Summary : Not available.</p> <p>Other information : Not available.</p>
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SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity	Not available.
12.2 Persistence and degradability	The product has not been tested.
12.3 Bioaccumulative	Not available.

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potential	
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12.4 Mobility	The product has not been tested.
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12.5 Results of PBT and vPvB assessment	PBT : Not available. vPvB : Not available.
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12. 6 Other adverse effects	No information available.
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SECTION 13. DISPOSAL CONSIDERATIONS**13.1 Product**

Methods of disposal: Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Disposal should be in accordance with applicable regional, national, and local laws and regulations.

EU Waste Disposal Code (EWC): 13 01 10 based non-chlorinated hydraulic oils.

Classification of waste is always the responsibility of the end user.

13.2 Packaging

Methods of disposal: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Type of waste	Name of waste	Category of waste
15 01 10	Packaging containing residues of hazardous substances or contaminated by dangerous substances	N

SECTION 14. TRANSPORT INFORMATION

ADR	This product does not require a classification for transport.
UN proper shipping name	-
Transport hazard class	-
Packing group	-
Hazard No.	-

SECTION 15. REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
EU Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU**Annex XIV - List of substances subject to authorisation****Substances of very high concern**

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles: Not applicable.

EU Regulation (EC) No 1272/2008 of the European Parliament and of the Council

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Other EU regulations

Europe inventory : All components are listed or exempted.
Black List Chemicals : Not listed
Priority List Chemicals : Not listed
Integrated pollution prevention and control list (IPPC) - Air: Not listed
Integrated pollution prevention and control list (IPPC) - Water: Not listed

International regulations

Chemical Weapons Convention List Schedule I Chemicals: Not listed
Chemical Weapons Convention List Schedule II Chemicals: Not listed
Chemical Weapons Convention List Schedule III Chemicals: Not listed

15.2 Chemical Safety Assessment

This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16. OTHER INFORMATION

Reason for Revision:

12.11.2018 - Classification of the mixture of the European Parliament and Council Regulation (EC) No. 2015/830

16.1 Text of H-phrases (point 3):

H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H318 Causes serious eye damage
H411 Toxic to aquatic life with long lasting effects

16.3 Other information:

The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the producer. They are neither a quality description of the product nor a guarantee of particular features. They are to be treated as aid to safety in transport, storage and usage of the product. This does not free the user from the responsibility of improper usage of the information above and also of improper compliance with the law norms in the field.