

DYNAMAX OIL SYSTEM CLEANER**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**

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|-----------------------|-----------------------------------|----------------|--|
| Material Name: | DYNAMAX OIL SYSTEM CLEANER | | |
| CAS: | | EINECS: | |
| | | ELINCS: | |


1.2. Identified uses

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| Uses: | Cleaning liquid for internal engine cleaning |
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1.3. Details of the supplier of the safety data sheet

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|--------------------------------|---|--|--|
| 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

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| 2.1. Classification of the substance or mixture | Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] Hazard categories: Acute toxicity: Acute Tox. 4 Reproductive toxicity: Lact. Specific target organ toxicity - repeated exposure: STOT RE 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. H362 May cause harm to breast-fed children. H372 Causes damage to organs through prolonged or repeated exposure. H412 Harmful to aquatic life with long lasting effects. EUH066 Repeated exposure may cause skin dryness or cracking. |

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2.3 Other hazards

EUH209A Can become flammable in use.

P-phrases:

P201 Obtain special instructions before use.

P260 Do not breathe vapours.

P263 Avoid contact during pregnancy/while nursing.

P273 Avoid release to the environment.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P501 Dispose of contents/container to a hazardous waste in accordance with relevant legislation.

Contains: hydrocarbons, C10-C13, n-alkanes, iso-alkanes, aromatics (2-25%)
alkanes, C14-17, chloro

Precautionary statements

Prevention : Do not breathe vapour. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

Response : Get medical attention if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell.

Storage : Store in original container in a well ventilated area at temperatures up to 40 °C.

Disposal : Not applicable.

Supplemental label elements: Not applicable.

Special packaging requirements

Containers to be fitted with child-resistant fastenings: Applicable.

Tactile warning of danger: Applicable.

Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII:

Not available.

Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII:

Not available.

Other hazards which do not result in classification: Not available.

SECTION 3. COMPOSITION/INFORMATION ON IGREDIENTS

| Product /ingredient name | CAS | EC | Symbols | Conc. | Registr. no REACH | GHS classification | |
|---|------------|-----------|---------|----------|-----------------------|--|--------------------------------|
| hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclenes, aromatics (2-25%) | - | 919-164-8 | - | 80 – 100 | 01-2119473977-17-xxxx | STOT RE 1 Asp. Tox. 1 Aquatic Chronic 3 | H372 H304 H412 |
| alkanes, C14-17, chloro; chlorinated paraffins, C14-17 | 85535-85-9 | 287-477-0 | - | 1 - 10 | 01-2119519269-33-xxxx | Lact. Aquatic Acute 1 Aquatic Chronic 1 | H362 H400 H410 EUH066 |

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

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious,

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| | give half a litre of water to drink immediately. Consult a doctor. |
| 4.2 Most important symptoms and effects, both acute and delayed | Potential acute health effects Eye contact: There may be irritation and redness. The eyes may water profusely. Inhalation : There may be irritation of the throat with a feeling of tightness in the chest. Skin contact : There may be irritation and redness at the site of contact. Ingestion : There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting. |
| 4.3 Indication of any immediate medical attention and special treatment needed | Notes to physician: No specific notes. Specific treatments: No specific treatment. |

SECTION 5. FIRE FIGHTING MEASURES

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| 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

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| 6.1. Personal precautions | Remove all sources of ignition. Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| 6.2. Environmental precautions | Do not allow uncontrolled discharge of product into the environment. Danger of explosion In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. |
| 6.3. Clean up methods | Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. |

SECTION 7. HANDLING AND STORAGE

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| 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

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| 8.1. Control parameters | No data available. |
| 8.2 Exposure controls | Observe the usual precautions for health at work and in good ventilation. When using do not eat, drink or smoke. |

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| 8.2.1 Occupational exposure controls | a) Respiratory protection: it is necessary only in case of exceeding the TWA (mask with organic vapor filter type A) b) Eye protection: safety glasses c) Protection of hands: protective gloves (EN 374) d) protection: clothing (impermeable overalls and closed safety boots) |
| 8.2.2. Environmental exposure controls | To prevent leakage of concentrated mixture into surface water drains or soil. Mixture stored in tightly sealed and labeled containers. |
| 8.3. TWA | No data available. |

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

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| Fysical state | liquid |
| Colour | green |
| Odour | characteristic |
| pH | not available |
| Flash point (ASTM-D92) [°C] | >61 |
| Boiling point [°C] | 150 - 230 |
| Freezing point [°C] | not available |
| Flammability | not available |
| Temperature of spontaneous combustion [°C] | 240 |
| Lower limit of explosion | 0,6 |
| Superior limit of explosion | 7 |
| Oxidising properties | not available |
| Vapour pressure [hPa] | not available |
| Relative density [g.cm⁻³] typ. | 0,800 |
| 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

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| 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 | Strong oxidising agents. Strong reducing agents. |
| 10.6 Hazardous decomposition products | Gases/vapours, toxic. No known hazardous decomposition products. |

SECTION 11. TOXICOLOGICAL INFORMATION

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| 11.1 Information on toxicological effects | <u>Acute toxicity</u> <u>Acute oral toxicity:</u> hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclenes, aromatics (2-25%): LD50 (rat) > 5000 mg/kg <u>Acute dermal toxicity:</u> hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclenes, aromatics (2-25%): |
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| | <p>LD50 (rabbit) = 3400 mg/kg</p> <p><u>Acute inhalation toxicity:</u> hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclenes, aromatics (2-25%): LC50 (rat) > 13,1 mg/l 4 h</p> <p><u>Irritation/Corrosion</u> Conclusion/Summary : Based on available data, the classification criteria are not met.</p> <p><u>Sensitisation</u> Conclusion/Summary : Based on available data, the classification criteria are not met.</p> <p><u>Mutagenicity</u> Conclusion/Summary : Not available.</p> <p><u>Carcinogenicity</u> Conclusion/Summary : Not available.</p> <p><u>Reproductive toxicity</u> May cause harm to breast-fed children. (alkanes, C14-17, chloro; chlorinated paraffins, C14-17).</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

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| 12.1 Toxicity | <p>Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclenes, aromatics (2-25%): LC50 (fish) 96 h = 10 - 100 mg/l</p> |
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| | EC50 (Daphnia) 48 h = 10 - 22 mg/l. |
| 12.2 Persistence and degradability | The product has not been tested. |
| 12.3 Bioaccumulative potential | The product has not been tested. Partition coefficient n-octanol/water Chemical name hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclenes, aromatics (2-25%) Log Pow 4,2 – 7,2 |
| 12.4 Mobility | The product has not been tested. |
| 12.5 Results of PBT and vPvB assessment | PBT : Not available. vPvB : Not available. |
| 12. 6 Other adverse effects | No information available. |

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. Dispose of waste according to applicable legislation.

Recovery operations: Use principally as a fuel or other means to generate energy. Solvent reclamation/regeneration. Oil re-refining or other reuses of oil.

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

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| 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.

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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

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:

11.10.2018 - 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.
H362 May cause harm to breast-fed children.
H372 Causes damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.

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.