

DYNAMAX MOTOR 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**

Material Name:	DYNAMAX MOTOR CLEANER		
CAS:		EINECS:	
		ELINCS:	



1.2. Identified uses

Uses:	Multipurpose cleaner used to remove greasy dirt from the engine surfaces and car chassis
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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:	Národné toxikologické informačné centrum (NTIC) Klinika pracovného lekárstva a toxikológie, FNŠP akad. L.Dérera Limbova 5 833 05 Bratislava Tel. +421 2 5477 4166 ntic@ntic.sk www.ntic.sk		

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture	Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] Asp. Tox. 1 H304 Eye Dam. 1 H318 Skin Irrit. 2 H315
2.2 Label elements	Hazard pictograms (CLP/GHS) :   Signal word: danger H-phrases: H304 May be fatal if swallowed and enters airways H315 Causes skin irritation H318 Causes serious eye damage P-phrases: P280 Wear protective gloves/protective clothing/eye protection/face protection

DYNAMAX MOTOR CLEANER

2.3 Other hazards

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/
P331 Do NOT induce vomiting
P302+P352 IF ON SKIN: Wash with plenty of water and soap
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing
P405 Store locked up
P501 Dispose of contents/container to a hazardous waste in accordance with relevant legislation

Contains: hydrocarbons, C10-C13, n-alkanes, <2% aromatics; isotridecanol, ethoxylated, 30% or more of aliphatic hydrocarbons, 5% - 15% nonionic surfactants

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 INGREDIENTS

Product /ingredient name	CAS	EC	Symbols	Conc.	Registr. no REACH	GHS classification	
n-alkanes C10 – C13	-	929-018-5	GHS08	min. 80	01-2119475608-26-0019	Asp. Tox.1	H304
2-butoxyethanol	111-76-2	203-905-0	GHS07	max. 10	01-2119475108-36-xxxx	Acute Tox. 4 Eye Irrit.2 Skin Irrit. 2	H332 H312 H302 H319 H315
isotridecanol, ethoxylated	69011-36-5	931-138-8	GHS05	max. 12	01-2119976362-32-xxxx	Eye Irrit. 1	H318

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact: Rinse immediately with plenty of water. Seek medical attention if irritation develops.

Inhalation: Assure fresh air breathing. If you feel unwell, seek medical advice.

Skin contact: Wash the skin with water and soap and apply skin-protective cream.

Ingestion: Do not induce vomiting. If the injured is conscious give 2 glasses of

DYNAMAX MOTOR CLEANER

	water. Ensure medical assistance immediately
4.2 Most important symptoms and effects, both acute and delayed	<p>Potential acute health effects</p> <p>Eye contact: Symptoms: burning eyes. First aid: Rinse gentle stream of water for at least 15 minutes. If 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	<p>Notes to physician: No specific notes.</p> <p>Specific treatments: No specific treatment.</p>

SECTION 5. FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media	Water, carbon dioxide
5.2. Unsuitable extinguishing media	-
5.3. Specific hazards	Formed during combustion gases containing oxides of carbon and nitrogen. Endangered containers and storage space cooling water screen and possibly removed from the danger zone.
5.4. Protective equipment for firefighters	Protective clothing against radiant heat and insulating breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions	Ensure adequate ventilation. Avoid contact with skin and eyes. No smoking.
6.2. Environmental precautions	Do not allow to surface and groundwater. With its breakthrough contact person.
6.3. Clean up methods	Spills drain device for I.degree fire hazard to vessels, remnants suck suitable absorbent agent. Material according to the degree of pollution in an appropriate incinerator to burn.

SECTION 7. HANDLING AND STORAGE

7.1. Handling	When using do not eat or drink or smoke. Observe safety and sanitary measures.
7.2 . Storage	Store in the original packing in well-ventilated places at the temperature of 30 °C in a dry room. Protect against heat and direct solar radiation. Do not store near food.

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 filter against acids – protection class FFP2)</p> <p>b) Eye protection: safety glasses EN 166)</p> <p>c) Protection of hands: protective gloves (EN 374)</p> <p>d) protection: clothing (impermeable overalls and closed safety boots)</p>
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.

DYNAMAX MOTOR CLEANER

8.3. TWA

n-alkanes C10-C13:
average: 500 mg/m³
2-butoxyethanol:
average: 98 mg/m³

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	liquid
Colour	colourless
Odour	characteristic
pH	not available
Flash point (ASTM-D92) [°C]	> 60
Boiling point [°C]	not available
Freezing point [°C]	-25
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]	0,770 +/- 0,010
Water solubility [g.l ⁻¹]	soluble
Solubility in solvents [g.l ⁻¹]	insoluble in oils
9.2 Other information	
Lower explosion point [°C]	62
Temperature class	T3
Class of fire	C
Explosion	IIA

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	Stable under recommended conditions of use and storage.
10.3 Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	Temperature below 0 °C. Avoid storing in direct sunlight. When observing the correct storage temperature and storage conditions, there is no degradation.
10.5 Incompatible materials	Strong acids
10.6 Hazardous decomposition products	-

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	<u>Acute toxicity</u> Conclusion/Summary : Not available
	<u>Irritation/Corrosion</u> Conclusion/Summary : slightly irritating
	<u>Sensitisation</u> Conclusion/Summary : in contact with skin

DYNAMAX MOTOR CLEANER

	<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> Not available.</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.</p> <p><u>Potential chronic health effects</u> Conclusion/Summary : Not available.</p> <p>General : No known significant effects or critical hazards. Carcinogenicity : No known significant effects or critical hazards. Mutagenicity : No known significant effects or critical hazards. Teratogenicity : No known significant effects or critical hazards. Developmental effects : No known significant effects or critical hazards. Fertility effects : No known significant effects or critical hazards.</p> <p>Other information : Not available.</p>
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SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity	<p>1.OECD no. 201-algae growth inhibition test - non-toxic to freshwater algae</p> <p>2.OECD no. 202 - toxicity test on Daphnia Magna, immobilization test - non-toxic to crustaceans.</p> <p>3.OECD no. 203 - Acute toxicity test on fish - expected partial toxicity</p>
12.2 Persistence and degradability	<p>n-alkanes C10-C13 is the substances degradable medium (producer declare performance of requirements of Regulation No. 648/2004)</p>
12.3 Bioaccumulative potential	<p>Photochemical reactions in air rapidly oxidizes. Integrated half-life in air is expected around 1 day. It is assumed high evaporation of surface water. The estimated half-life in</p>

DYNAMAX MOTOR CLEANER

	terms of evaporation is to model the river around 4 hours a lake for about 1 week.
12.4 Mobility	With water forms an emulsion
12.5 Results of PBT and vPvB assessment	PBT : Not available. vPvB : Not available.
12. 6 Other adverse effects	No known significant effects or critical hazards.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Product

Methods of disposal: The generation of waste should be avoided or minimised wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Hazardous waste : The classification of the product meets the criteria for a hazardous waste.

Type of waste	Name of waste	Category of waste
07 07 04	Other organic solvents, washing liquids, mother liquors	N

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

Transport by land RID/ADR	Not regulated
Transport by sea IMDG	Nor regulated
Transport by air	Not regulated
Additional information	Does not pose a hazard during transport and does not require special treatment (handling) procedure.

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.

DYNAMAX MOTOR CLEANER

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:

17.05.2017 - Classification of the mixture of the European Parliament and Council Regulation (EC) No. 2015/830

16.1 Text of H-phrases (point 3):

H302 Harmful if swallowed
H304 May be fatal if swallowed and enters airways
H312 Harmful in contact with skin
H315 Causes skin irritation
H318 Causes serious eye damage
H319 Causes serious eye irritation
H332 Harmful if inhaled

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.