

DYNAMAX UNIVERSAL EXTERNAL 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 UNIVERSAL EXTERNAL CLEANER – a big packaging		
CAS:		EINECS:	
		ELINCS:	

1.2. Identified uses

Uses:	Concentrated cleaner for heavily soiled and greasy surfaces
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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:	Alešince 231		
	951 22		
	Alešince		
	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] Skin Corr. 1A H314
2.2 Label elements	Hazard pictograms (CLP/GHS) :  Signal word: danger H-phrases: H314 Causes severe skin burns and eye damage P-phrases: P280 Wear protective gloves/protective clothing/eye protection/face protection P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

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2.3 Other hazards	Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/doctor/. P501 Dispose of contents/container to a hazardous waste in accordance with relevant legislation. Contains: less than 5 % sodium hydroxide, EDTA a its salts 5 -15 % anionic surfactants and phosphonates fragrance <u>Precautionary statements</u> 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. <u>Special packaging requirements</u> 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.
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SECTION 3. COMPOSITION/INFORMATION ON IGREDIENTS

Product /ingredient name	CAS	EC	Symbols	Conc.	Registr. no REACH	GHS classification	
isotridecanol, ethoxylated	69011-36-5	500-241-6	GHS07,05	10 – 12,5	-	Acute Tox. 4-o Eye Dam.1	H302 H318
sodium hydroxide	1310-73-2	215-185-5	GHS05	5 – 7	01-2119457892-27-0042	Met. Corr.1 Skin Corr.1A	H290 H314
2-(2-butoxyethoxy)ethanol	112-34-5	203-961-6	GHS07	3 - 5	01-2119475104-44-0006	Eye Irrit. 2	H319
EDTA	64-02-8	200-573-9	GHS07,05	1 – 3	01-2119486762-27-xxxx	Acute Tox.4-i Acute Tox.4-o Eye Dam. 1	H332 H302 H318
sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	270-407-8	GHS07,05	1 – 3	01-2119513401-57-xxxx	Skin Irrit.2 Eye Dam.1	H315 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 water. Ensure medical assistance immediately
4.2 Most important	<u>Potential acute health effects</u>

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symptoms and effects, both acute and delayed	Eye contact: Symptoms: burning eyes. First aid: Rinse gentle stream of water for at least 15 minutes. If symptoms persist, consult a doctor. Inhalation : Inhalation occurs facial flushing and feeling drunk. Skin contact : Wash off with warm water and soap and apply a suitable cream. Ingestion : After ingestion rinse mouth with water. Give water to drink. Do not induce vomiting. Seek medical advice.
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

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	a) Respiratory protection: it is necessary only in case of exceeding the TWA (mask with filter against acids – protection class FFP2) b) Eye protection: safety glasses EN 166) 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	<u>sodium hydroxide:</u> average: 2 mg/m3 short-term: 1 mg/m3

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2-(2-butoxyethoxy)ethanol:
average: 10 mg/m³ short-term: 15 mg/m³

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

Fysical state	bi-component liquid
Colour	yellow/green
Odour	charakteristic
pH	13,9
Flash point (ASTM-D92) [°C]	> 100
Boiling point [°C]	100
Freezing point [°C]	not available
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]	1,145 (20°C)
Water solubility [g.l⁻¹]	soluble
Solubility in solvents [g.l⁻¹]	insoluble in oils
9.2 Other information	No additional information.

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	Stabile 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> <u>Acute oral toxicity:</u> <u>isotridecanol, ethoxylated:</u> LD50 (rat) > 500 mg/kg <u>sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts:</u> LD50 (rat) = 2079 mg/kg <u>2-(2-butoxyethoxy)ethanol:</u> LD50 (rat) = 3384 mg/kg <u>EDTA:</u> LD50 (rat) > 2000 mg/kg <u>Acute dermal toxicity:</u> <u>sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts:</u>
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LD50 (rabbit) > 6300 mg/kg

2-(2-butoxyethoxy)ethanol:

LD50 (rabbit) = 2700 mg/kg

Acute inhalation toxicity:sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts:

LC50 (rat) > 52 mg/l 4 hours

2-(2-butoxyethoxy)ethanol:

LC50 (rat) = 3 mg/l 2 hours

EDTA:

LC50 (rat) = 1000 - 5000 mg/l 6 hours

Irritation/Corrosion**Conclusion/Summary :** Strong caustic effect on skin and mucous membranes. If ingested a strong caustic effect on mouth and throat, as well as a danger of perforation of esophagus and stomach.**Sensitisation****Conclusion/Summary :** in contact with skin**Mutagenicity****Conclusion/Summary :** Not available.**Carcinogenicity****Conclusion/Summary :** Not available.**Reproductive toxicity****Conclusion/Summary :** Not available.**Teratogenicity****Conclusion/Summary :** Not available.**Aspiration hazard**

Not available.

Information on the likely routes of exposure: Not available.**Symptoms related to the physical, chemical and toxicological characteristics****Eye contact :** No specific data.**Inhalation :** No specific data.**Skin contact:** No specific data**Ingestion:** No specific data.**Delayed and immediate effects and also chronic effects from short and long term exposure****Short term exposure****Potential immediate effects:** Not available.**Potential delayed effects :** Not available.**Long term exposure****Potential immediate effects:** Not available.**Potential delayed effects:** Not available.**Potential chronic health effects****Conclusion/Summary :** Not available.**General :** No known significant effects or critical hazards.**Carcinogenicity :** No known significant effects or critical hazards.

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	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. Other information : Not available.
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SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity	<u>isotridecanol, ethoxylated:</u> LC50 (Leuciscus idus) 96 hours = 5 mg/l EC50 (Invertebrati acquatici) 48 hours = 5 mg/l EC50 (algae) 72 hours = 5 mg/l <u>sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts:</u> EC50 (algae) 72 hours = 5,2 mg/l EC50 (Daphnia) 48 hours = 4,53 mg/l LC50 (fish) 96 hours = 4,2 mg/l <u>sodium hydroxide:</u> EC50 (Daphnia) 48 hours = 40,4 mg/l <u>2-(2-butoxyethoxy)ethanol:</u> EC50 (Daphnia magna) 48 hours = 100 mg/l EC50 (algae) = 100 mg/l LC50 (Leuciscus idus) 96 hours = 100 mg/l <u>EDTA:</u> LC50 (Lepomis macrochirus) 96 hours = 100 mg/l EC50 (Daphnia magna) 48 hours = 100 mg/l EC50 (Piante acquatiche) 72 hours = 100 mg/l
12.2 Persistence and degradability	Does not contain persistent substances. Degradability > 90 % (producer declare performance of requirements of Regulation No. 648/2004)
12.3 Bioaccumulative potential	Not available.
12.4 Mobility	Not available.
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.
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Type of waste	Name of waste	Category of waste
06 02 05	Other bases	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

ADR	UN 1719
UN proper shipping name	Alkaline caustic liquid N.O.S. (sodium hydroxide)
Class	8
Hazard identification number	80
Packing group	III

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

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.

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SECTION 16. OTHER INFORMATION

Reason for Revision:

11.06.2020 – Addition of a UN name to Section 14.

16.1 Text of H-phrases (point 3):

H290 May be corrosive to metals
H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage
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.