

**DYNAMAX GLASS 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**

<b>Material Name:</b>	<b>DYNAMAX GLASS CLEANER</b>		
<b>CAS:</b>		<b>EINECS:</b>	
		<b>ELINCS:</b>	

**1.2. Identified uses**

<b>Uses:</b>	Glass cleaner and a mirror removing grease
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**1.3. Details of the supplier of the safety data sheet**

<b>Manufacturer/Supplier:</b>	EURO-VAT spol. s r.o.
<b>IČO:</b>	18049397
<b>Address:</b>	Alekšince 231 951 22 Alekšince Slovakia
<b>Phone/fax number:</b>	+421 37 7822 326-7
<b>E-mail:</b>	<a href="mailto:eurovat@eurovat.sk">eurovat@eurovat.sk</a> <a href="http://www.eurovat.sk">www.eurovat.sk</a>
<b>Emergency phone number:</b>	Národné toxikologické informačné centrum (NTIC) Klinika pracovného lekárstva a toxikológie, FN sP akad. L.Dérera Limbova 5 833 05 Bratislava Tel. +421 2 5477 4166 <a href="mailto:ntic@ntic.sk">ntic@ntic.sk</a> <a href="http://www.ntic.sk">www.ntic.sk</a>

**SECTION 2. HAZARDS IDENTIFICATION**

<b>2.1. Classification of the substance or mixture</b>	<b>Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]</b> Not classified as hazardous.
<b>2.2 Label elements</b>	<b>Hazard pictograms (CLP/GHS) :</b> No Hazard Symbol required  <b>Signal word:</b> -  <b>H-phrases:</b> Not classified  <b>P-phrases:</b> Not classified  Contains:      anionic and non-ionic surfactants less than 5%, fragrance  <b>Precautionary statements</b> <b>Prevention :</b> Do not breathe vapour. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.  <b>Response :</b> Get medical attention if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell.  <b>Storage :</b> Not applicable. <b>Disposal :</b> Not applicable.

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<b>2.3 Other hazards</b>	<p><b>Supplemental label elements:</b> Not applicable.</p> <p><b>Special packaging requirements</b>  <b>Containers to be fitted with child-resistant fastenings:</b> Not applicable.  <b>Tactile warning of danger:</b> Not applicable.</p> <p><b>Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII:</b>  Not available.</p> <p><b>Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII:</b>  Not available.</p> <p><b>Other hazards which do not result in classification:</b> Not available.</p>
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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product /ingredient name	CAS	EC	Symbols	Conc.	Registr. no REACH	GHS classification	
ethanol	64-17-5	200-578-6	GHS02	1 - 3	01-2119457610-43-0019	Flam. Liq. 2	H225

### SECTION 4. FIRST AID MEASURES

<b>4.1 Description of first aid measures</b>	<p><b>Eye contact:</b> Rinse immediately with plenty of water. Seek medical attention if irritation develops.</p> <p><b>Inhalation:</b> Assure fresh air breathing. If you feel unwell, seek medical advice.</p> <p><b>Skin contact:</b> Wash the skin with water and soap and apply skin-protective cream.</p> <p><b>Ingestion:</b> Do not induce vomiting. If the injured is conscious give 2 glasses of water. Ensure medical assistance immediately</p>
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	<p><b>Potential acute health effects</b>  <b>Eye contact:</b> No known significant effects or critical hazards.  <b>Inhalation :</b> No known significant effects or critical hazards.  <b>Skin contact :</b> No known significant effects or critical hazards.  <b>Ingestion :</b> No known significant effects or critical hazards.</p> <p><b>Over-exposure signs/symptoms</b>  <b>Eye contact :</b> No specific data.  <b>Inhalation:</b> No specific data.  <b>Skin contact:</b> No specific data.  <b>Ingestion:</b> No specific data.</p>
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	<p><b>Notes to physician:</b> No specific notes.</p> <p><b>Specific treatments:</b> No specific treatment.</p>

### SECTION 5. FIRE FIGHTING MEASURES

<b>5.1 Suitable extinguishing media</b>	<b>Suitable</b>	Not specified - all extinguishing media (water fog, foam, carbon dioxide, powder)
	<b>Unsuitable</b>	not applicable
<b>5.2. Special hazards arising from the substance or mixture</b>	Gases produced during combustion gases containing oxides of carbon and nitrogen. Keep containers and storage space cooling water curtain and possibly remove from the danger zone.	
<b>5.3. Advice for firefighters</b>	Protective clothing, goggles and self-contained breathing apparatus.	

### SECTION 6. ACCIDENTAL RELEASE MEASURES

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<b>6.1. Personal precautions</b>	<b>For non-emergency personnel</b>	Wear gloves made of the following material butyl rubber. Additional personal protective equipment should include the following safety glasses
	<b>For emergency responders</b>	Not applicable
<b>6.2. Environmental precautions</b>	Do not allow to surface and groundwater. With its breakthrough contact person.	
<b>6.3. Methods and material for containment and cleaning up</b>	Collect product mechanically. Dirty floors can be after the precise collection washed with water to canalization.	
<b>6.4. Reference to other sections</b>	Disposal of waste according to section 13	

### SECTION 7. HANDLING AND STORAGE

<b>7.1 Precautions for safe handling</b>	Avoid eye contact and skin contact. Use personal protective equipment recommended in section 8. Follow the basic rules of working with chemicals. During using do not eat, drink or smoke.
<b>7.2. Conditions for safe storage, including any incompatibilities</b>	Store in well closed containers in a ventilated place. The minimum recommended storage temperature for this material is -8°C. The maximum recommended storage temperature for this material is 40°C.
<b>7.3. Specific end use(s)</b>	not applicable

### SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION

<b>8.1. Control parameters</b>	TWA <u>Ethanol:</u> average: 960 mg/m <sup>3</sup> short-term: 1820 mg/m <sup>3</sup>
<b>8.2 Exposure controls</b>	Observe the usual precautions for health at work and in good ventilation. When using do not eat, drink or smoke. a) Respiratory protection: it is necessary only in case of exceeding the TWA (mask with organic vapor filter type A) b) Eye protection: goggles c) Protection of hands: protective gloves (EN 374) d) protection: clothing Engineering controls: none required under normal operating conditions.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

<b>Fysical state</b>	liquid
<b>Colour</b>	blue
<b>Odour</b>	characteristic
<b>pH</b>	10,0
<b>Boiling point [°C]</b>	> 100
<b>Flash point (ASTM-D92) [°C]</b>	> 55
<b>Melting point [°C]</b>	not available
<b>Flammability</b>	not available
<b>Temperature of spontaneous combustion [°C]</b>	not available
<b>Lower limit of explosion</b>	not available
<b>Superior limit of explosion</b>	not available
<b>Oxidising properties</b>	not available
<b>Vapour pressure [hPa]</b>	not available
<b>Relative density [g.cm<sup>-3</sup>] max.</b>	0,990
<b>Water solubility [g.l<sup>-1</sup>]</b>	very good mixable

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Solubility in solvents [g.l <sup>-1</sup> ]	soluble in alcohols, acetone
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	-
10.5 Incompatible materials	-
10.6 Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**SECTION 11. TOXICOLOGICAL INFORMATION**

11.1 Information on toxicological effects	<b><u>Acute toxicity</u></b>
	Acute oral toxicity: Ethanol: LD50 (rat) > 1 501 mg/kg
	Acute inhalation toxicity: Ethanol: LC50 (rat) = 5,9 mg/l (6 hours)
	<b><u>Irritation/Corrosion</u></b> Conclusion/Summary : Not available.
	<b><u>Sensitisation</u></b> Conclusion/Summary : in contact with skin
	<b><u>Mutagenicity</u></b> Conclusion/Summary : Not available.
	<b><u>Carcinogenicity</u></b> Conclusion/Summary : Not available.
	<b><u>Reproductive toxicity</u></b> Conclusion/Summary : Not available.
	<b><u>Teratogenicity</u></b> Conclusion/Summary : Not available.
	<b><u>Aspiration hazard</u></b> Not available.
	<b>Information on the likely routes of exposure:</b> Not available.
	<b><u>Potential acute health effects</u></b>
	Inhalation : No known significant effects or critical hazards. Ingestion : No known significant effects or critical hazards Skin contact : No known significant effects or critical hazards. Eye contact : No known significant effects or critical hazards.

**Symptoms related to the physical, chemical and toxicological characteristics**

Eye contact : No specific data.

Inhalation : No specific data.

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	<p><b>Skin contact:</b> No specific data <b>Ingestion:</b> No specific data.</p> <p><b><u>Delayed and immediate effects and also chronic effects from short and long term exposure</u></b></p> <p><b><u>Short term exposure</u></b> <b>Potential immediate effects:</b> Not available. <b>Potential delayed effects :</b> Not available.</p> <p><b><u>Long term exposure</u></b> <b>Potential immediate effects:</b> Not available. <b>Potential delayed effects:</b> Not available.</p> <p><b><u>Potential chronic health effects</u></b> <b>Conclusion/Summary :</b> Not available.</p> <p><b>General :</b> No known significant effects or critical hazards. <b>Carcinogenicity :</b> No known significant effects or critical hazards. <b>Mutagenicity :</b> No known significant effects or critical hazards. <b>Teratogenicity :</b> No known significant effects or critical hazards. <b>Developmental effects :</b> No known significant effects or critical hazards. <b>Fertility effects :</b> No known significant effects or critical hazards.</p> <p><b>Other information :</b> Not available.</p>
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**SECTION 12. ECOLOGICAL INFORMATION**

<b>12.1 Toxicity</b>	Not available.
<b>12.2 Persistence and degradability</b>	Degradability of tenzides: > 90 % (producer declare performance of requirements of Regulation No. 648/2004)
<b>12.3 Bioaccumulative potential</b>	Not available.
<b>12.4 Mobility</b>	Not available.
<b>12.5 Results of PBT and vPvB assessment</b>	<b>PBT :</b> Not available. <b>vPvB :</b> Not available.
<b>12. 6 Other adverse effects</b>	No known significant effects or critical hazards.

**SECTION 13. DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods****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
20 01 29	detergents containing dangerous substances	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) + EU Regulation No. 453/2010, which he amended****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:**

10.11.2017 - Classification of the mixture of the European Parliament and Council Regulation (EC) No. 1272/2008

**16.1 Text of H-phrases (point 3):**

H225 Highly flammable liquid and vapour

**16.2 Abbreviations:**

Flam. Liq. 2 – flammable liquid 2. category

**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.