

**DYNAMAX EMULGOL DS 30****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 EMULGOL DS 30</b>		
<b>CAS:</b>		<b>EINECS:</b>	
		<b>ELINCS:</b>	


**1.2. Identified uses**

<b>Uses:</b>	Oil emulsion used for cooling and lubricating during the process of turning steel, cast iron, non-ferrous metals
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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>	Aleššince 231 951 22 Aleššince (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, FNsP 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> Skin Irrit. 2, H315 Eye Irrit. 2, H319
<b>2.2 Label elements</b>	<b>Hazard pictograms (CLP/GHS) :</b>  <b>Signal word:</b> Warning <b>H-phrases:</b> H315 Causes skin irritation. H319 Causes serious eye irritation. <b>P-phrases:</b> P280 Wear protective gloves/eye protection. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention.

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<b>2.3 Other hazards</b>	<p>Contains: 3,3'-methylenbis[5-methyloxazolidin]</p> <p><b>Precautionary statements</b></p> <p><b>Prevention :</b> Do not breathe vapour. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.</p> <p><b>Response :</b> Get medical attention if you feel unwell. <b>IF SWALLOWED:</b> Call a POISON CENTER or physician if you feel unwell.</p> <p><b>Storage :</b> Store in well closed packing at temperatures of up to 40 °C in a dry room that can be ventilated. Protect against heat and direct sunlight. Do not store near food. Prevent its release to the environment.</p> <p><b>Disposal :</b> Not applicable.</p> <p><b>Supplemental label elements:</b> Not applicable.</p> <p><b>Special packaging requirements</b></p> <p><b>Containers to be fitted with child-resistant fastenings:</b> Not applicable.</p> <p><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	
Lubricating oils (petroleum), base oil unspecified	64741-76-0	265-077-7	*	25 - 45	01-2119486951-26-xxxx	Asp.Tox.1	H304
Alcohols, C16-18 and C18-unsatd., ethoxylated	68920-66-1	500-236-9		5 - 10	01-2119489407-26-xxxx	Skin Irrit.2	H315
Fatty acid amide, an ethoxylated	68603-39-4	614-635-1		5 - 10	-	Skin Irrit.2 Eye Irrit. 2	H315 H319
Sulfonic acids, petroleum, sodium salts	68608-26-4	271-781-5		1 – 2,5	01-2119527859-22-xxxx	Eye Irrit. 2	H319
3,3'-methylenbis[5-methyloxazolidin]	66204-44-2	266-235-8		1 – 2,9	-	Met. Corr. 1 Skin Corr. 1B Acute Tox. 4 Acute Tox. 4	H290 H314 H302 H312
Fatty alcohol, ethoxylated	27458-92-0	248-469-2		1 - 2	01-2119488528-21	Skin Irrit.2 Aquatic Acute 1	H315 H400

\* The base oils used in the mixtures containing less than 3% DMSO extract by IP 346. According to a note in the classified list of L products are not classified as hazardous substances.

### 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>
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<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.  <b>Specific treatments:</b> No specific treatment.</p>

### SECTION 5: FIRE FIGHTING MEASURES

<b>5.1 Suitable extinguishing media</b>	Foam and powder fire extinguishers with a charge for Class B fires, carbon dioxide, water fog
<b>5.2. Unsuitable extinguishing media</b>	Direct water stream
<b>5.3. Specific hazards</b>	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.
<b>5.4. Protective equipment for firefighters</b>	Protective clothing against radiant heat and insulating breathing apparatus.
<b>Additional advice</b>	-

### SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>6.1. Personal precautions</b>	Ensure adequate ventilation. Avoid contact with skin and eyes. No smoking.
<b>6.2. Environmental precautions</b>	Do not allow to surface and groundwater. With its breakthrough contact person.
<b>6.3. Clean up methods</b>	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

<b>7.1. Handling</b>	When using do not eat or drink or smoke. Observe safety and sanitary measures.
<b>7.2 . Storage</b>	Store in the original packing in well-ventilated places at the temperature of 40 °C in a dry room. Protect against heat and direct solar radiation. Do not store near food.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>8.1. Control parameters</b>	Ventilation respectively. exhausting work areas. The work may not be readily combustible substances and other dangerous source of fire.
<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.
<b>8.2.1 Occupational exposure controls</b>	<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: chemical goggles or safety glasses (EN 166)</p> <p>c) Protection of hands: Wear suitable gloves resistant to chemical penetration (EN 374)</p>

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<b>8.2.2. Environmental exposure controls</b>	d) protection: clothing (impermeable overalls and closed safety boots) To prevent leakage of concentrated mixture into surface water drains or soil. Mixture stored in tightly sealed and labeled containers.
<b>8.3. TWA</b>	Occupational Exposure Standard (OES) of 5mg/m <sup>3</sup> , 8-hour time-weighted average reference period for oil mist.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

<b>Physical state</b>	liquid
<b>Colour</b>	brown
<b>Odour</b>	characteristic
<b>pH</b>	max. 9,5 / emulsion 5% (at 20°C)
<b>Flash point (ASTM-D92) [°C]</b>	> 100
<b>Boiling point (ASTM D1120) [°C]</b>	not available
<b>Melting point [°C]</b>	< -14
<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>]</b>	approx. 0,902
<b>Water solubility [g.l<sup>-1</sup>]</b>	insoluble
<b>Solubility in solvents [g.l<sup>-1</sup>]</b>	soluble in ethanol, ether
<b>9.2 Other information</b>	No additional information

### SECTION 10: STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	No specific test data related to reactivity available for this product or its ingredients.
<b>10.2 Chemical stability</b>	Stable under recommended conditions of use and storage.
<b>10.3 Possibility of hazardous reactions</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>10.4 Conditions to avoid</b>	Extremes of temperature and direct sunlight
<b>10.5 Incompatible materials</b>	Strong oxidising agents
<b>10.6 Hazardous decomposition products</b>	Hazardous decomposition products are not expected to form during normal storage

### SECTION 11: TOXICOLOGICAL INFORMATION

<b>11.1 Information on toxicological effects</b>	<p><b><u>Acute toxicity</u></b>  <b>Acute oral toxicity</b> - LD50 (rat) &gt; 5000 mg/kg  <b>Acute dermal toxicity</b> - LD50 (rabbit) &gt; 5000 mg/kg  <b>Acute inhalation toxicity</b> – LC50 (rat) &gt; 5,53 mg/l</p> <p><b><u>Irritation/Corrosion</u></b>            Not expected to be irritant. No adverse health effects were noted</p> <p><b><u>Sensitisation</u></b>            Conclusion/Summary : Not available.</p> <p><b><u>Mutagenicity</u></b>            Conclusion/Summary : Not available.</p>
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	<p><b><u>Carcinogenicity</u></b> Conclusion/Summary : Not available.</p> <p><b><u>Reproductive toxicity</u></b> Conclusion/Summary : Not available.</p> <p><b><u>Teratogenicity</u></b> Conclusion/Summary : Not available.</p> <p><b><u>Aspiration hazard</u></b> Not available.</p> <p><b>Other information :</b> Not available.</p>
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**SECTION 12: ECOLOGICAL INFORMATION**

<b>12.1 Toxicity</b>	Poorly soluble mixture. May cause physical fouling of aquatic organisms. Mineral oil is not expected to cause any chronic effects to aquatic organisms at concentrations less than 1 mg/l.
<b>12.2 Persistence and degradability</b>	Expected to be not readily biodegradable. Major constituents are expected to be inherently biodegradable, but the product contains components that may persist in the environment.
<b>12.3 Bioaccumulative potential</b>	Contains components with the potential to bioaccumulate.
<b>12.4 Mobility</b>	Liquid under most environmental conditions. Floats on water. If it enters soil, it will adsorb to soil particles and will not be mobile.
<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>	Product is a mixture of non-volatile components, which are not expected to be released to air in any significant quantities. Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**DYNAMAX EMULGOL DS 30****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
12 01 07	mineral-based machining oils free of halogens except emulsions and solutions	N
12 01 09	machining emulsions and solutions free of halogens	N

**13.2. Packing**

**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**

<b>Transport by land RID/ADR</b>	Not regulated
<b>Transport by sea IMDG</b>	Nor regulated
<b>Transport by air</b>	Not regulated
<b>Additional information</b>	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.

**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

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**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:**

06.11.2017 - Classification of the mixture of the European Parliament and Council Regulation (EC) No. 2015/830

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

H290 May be corrosive to metals  
H302 Harmful if swallowed  
H304 May be fatal if swallowed and enters airways  
H312 Harmful in contact with skin  
H314 Causes severe skin burns and eye damage  
H315 Causes severe skin burns and eye damage  
H319 Causes serious eye irritation  
H400 Very toxic to aquatic life

**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.