

Safety data sheet

(Regulation 1907/2006/EC, amended by 2020/878/EU)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1. Product identifier

Material Name:	AdBlue®		
CAS:		EINECS:	
		ELINCS:	

1.2. Identified uses

Uses:	agent for the reduction of NO x gas, is used in the select. catalytic reduction
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1.3. Details of the supplier of the safety data sheet

Manufacturer/Supplier:	DYNAMAX, s r.o.
IČO:	18049397
Address:	Alekšince 231 951 22 Slovakia
Phone/fax number:	037/ 7822 326
E-mail:	dynamax@dynamaxoil.com
Emergency phone number:	Národné toxikologické informačné centrum (NTIC) Klinika pracovného lekárstva a toxikológie, FNsP 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] Not classified as hazardous
2.2 Label elements	Hazard pictograms (CLP/GHS) : No Hazard Symbol required Signal word: - H-phrases: Not classified P-phrases: Not classified Contains: - 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 : Not applicable. Disposal : Not applicable. Supplemental label elements: Not applicable.

2.3 Other hazards	<p>Special packaging requirements Containers to be fitted with child-resistant fastenings: Not applicable. Tactile warning of danger: Not applicable.</p> <p>Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII: Not available.</p> <p>Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII: Not available.</p> <p>Other hazards which do not result in classification: 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	
Urea	57-13-6	200-315-5	-	32,5	01-2119463277-33-0018	-	-

SECTION 4: FIRST AID MEASURES

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

SECTION 5: FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media	Is not flammable
5.2. Unsuitable extinguishing media	None known.
5.3. Specific hazards	None known
5.4. Protective equipment for firefighters	None known
Additional advice	-

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions	-
6.2. Environmental precautions	-
6.3. Clean up methods	-

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	Keep container tightly closed and in a cool, well-ventilated place. Use properly labelled and closeable containers. Storage temperature : -5 to +25°C.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

8.1. Control parameters	-
8.2 Exposure controls	-

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

Fysical state	liquid
Colour	colorless
Odour	urea solution faint odor of ammonia
pH of a 10% aq. solution	max. 10
Flash point (ASTM-D92) [°C]	not available
Melting 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]	1,087 – 1,093
Water solubility [g.l ⁻¹]	not available
Solubility in solvents [g.l ⁻¹]	not available
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	CO ₂ , NH ₃ , NO _x

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects**Acute toxicity****Conclusion/Summary :** Not available.**Irritation/Corrosion****Conclusion/Summary :** Not available.**Sensitisation****Conclusion/Summary :** Not available.**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.**Potential acute health effects****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.**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.**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	Conclusion/Summary : Has low aquatic toxicity. In case of a large number of watercourses is due to the high oxygen demand can cause damage to the water world.
12.2 Persistence and degradability	Not available.
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 Waste treatment methods

Product

The product is not classified as hazardous

Packaging

The container is not classified as hazardous

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.

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:

10.05.2021 - Classification of the mixture of the European Parliament and Council Regulation (EC) No. 2020/878

16.1 Text of H-phrases (point 3):

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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.

AdBlue® is a registered trademark of the VDA (Verband der Automobilindustrie).