

**Safety Data Sheet according to Regulation (EC)
No. 1907/2006 (REACH)**

Revision 17.11.2020 (GB) Version 1.3

AdBlue®

845xxx



! SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Name of product AdBlue®
Art-Nr 845xxx

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Product categories [PC]

PCO - Other

1.3. Details of the supplier of the safety data sheet

Manufacturer/distributor EUROLUB GmbH
Freisingerstraße 25-27, D-85386 Eching b. München
Phone +49 8165 9591-0, Fax +49 8165 9591-210
E-Mail info@eurolub.com
Internet www.eurolub.com

1.4. Emergency telephone number

Emergency advice
Phone +49 8165 9591-0
This number is only available at office times.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

Additional hints

This mixture is not classified as hazardous according to Regulation (EC) 1272/2008 [GHS].

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

No information available.

2.3. Other hazards

Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

SECTION 3: Composition/ information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
57-13-6	200-315-5	Urea	32,5	

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REACH

CAS No	Name	REACH registration number
57-13-6	Urea	01-2119463277-33

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated soaked clothing immediately.
Take affected person into fresh air.

In case of skin contact

In case of contact with skin wash off with water.

In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

In case of ingestion

Do not induce vomiting.
If swallowed seek medical advice immediately and show the doctor packing or label.
Rinse out mouth thoroughly with water.

4.2. Most important symptoms and effects, both acute and delayed

Physician's information / possible symptoms

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Product does not burn, fire-extinguishing activities according to surrounding.

Unsuitable extinguishing media

no

5.2. Special hazards arising from the substance or mixture

In case of fire formation of dangerous gases possible.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.
Wear full protective clothing.

Additional information

Collect contaminated firefighting water separately, must not be discharged into the drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Ensure adequate ventilation.
Use personal protective clothing.

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6.2. Environmental precautions

Collect contaminated water / firefighting water separately.
Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material.

Additional Information

Informations for disposal see chapter 13.

6.4. Reference to other sections

No information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Use only in well-ventilated areas.

General protective measures

Avoid contact with eyes and skin

Hygiene measures

At work do not eat, drink and smoke.
Remove soiled or soaked clothing immediately.

Advice on protection against fire and explosion

No information available.

7.2. Conditions for safe storage, including any incompatibilities

Further information on storage conditions

Keep container tightly closed and store at cool and aired place.
Protect of heat.

Information on storage stability

Storage stability 12 months maximum.

Storage group 12

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL-/PNEC-values

DNEL worker

CAS No	Substance name	Value	Code	Remark
57-13-6	Urea	580 mg/m3	DNEL long-term dermal (systemic)	
		292 mg/m3	DNEL acute inhalative (systemic)	
		580 mg/m3	DNEL acute dermal, short-term (systemic)	

DNEL Consumer

CAS No	Substance name	Value	Code	Remark
57-13-6	Urea	292 mg/m3	DNEL long-term inhalative (systemic)	

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PNEC

CAS No	Substance name	Value	Code	Remark
57-13-6	Urea	47 mg/l	PNEC aquatic, freshwater	

8.2. Exposure controls

Hand protection

chemical-resistant gloves

Eye protection

safety goggles with side protection

Other protection measures

Light protective clothing.

Appropriate engineering controls

No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

liquid

Colour

colourless

Odour

similar to ammonia

Odour threshold

not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	9 - 10				
Boiling temperature / boiling range	not determined				
solidifying point	-10,5 °C				
Flash point					No flash point Measurement had been done until boiling temperature.
Vapourisation rate	not determined				
Flammable (solid)	not determined				
Flammability (gas)	not determined				
Ignition temperature	not determined				
Self ignition temperature	not determined				
Lower explosion limit	not determined				
Upper explosion limit	not determined				
Vapour pressure	6,4 Pa	20 °C			

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	Value	Temperature	at	Method	Remark
Relative density	1,09 g/cm ³	20 °C			
Vapour density	not determined				
Solubility in water	not determined				
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	not determined				
Decomposition temperature	100 °C				
Viscosity	not determined				
Oxidising properties	No information available.				
Explosive properties	No information available.				
9.2. Other information	No information available.				

SECTION 10: Stability and reactivity

10.1. Reactivity

no

10.2. Chemical stability

No hazardous reactions known.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Decomposition takes place from temperatures above:
100°C

10.5. Incompatible materials

Substances to avoid

Alkali (lye)

Acid

Oxidising agent, strong

10.6. Hazardous decomposition products

Nitrous gases

Carbon monoxide and carbon dioxide.

Ammonia

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	14300 mg/kg	rat		
LD50 acute dermal			No information available.	
LC50 acute inhalation			No information available.	
Skin irritation	non-irritant	rabbit		
Eye irritation	non-irritant	rabbit eye		
Skin sensitization	non-sensitizing	Guinea pig		

Subacute Toxicity - Carcinogenicity

	Value	Species	Method	Validation
Subacute Toxicity	NOEL 2250 mg/kg Sub-acute oral toxicity			
Mutagenicity				No mutagenity, after different in-vitro studies.
Reproduction-Toxicity				No indications of toxic effects were observed in reproduction studies in animals.
Carcinogenicity				No indications of carcinogenic effects are available from long-term trials.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological effects

	Value	Species	Method	Validation
Fish	LC50 6810 mg/l			
Daphnia	EC50 10000 mg/l			
Algae	EC10 47 mg/l			

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

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No information available.

12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recommendations for the product

Remove in accordance with local official regulations.

Recommendations for packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	-	-	-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

Transport/further information

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

VOC standard

VOC content =0 %

VOC value =0 g/L

National regulations

Water hazard class 1

Decree for case of interference/
remarks Accident decree, addendum II: not named.

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15.2. Chemical Safety Assessment

No information available.

SECTION 16: Other information

Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 1.2