

SAFETY DATA SHEET

According to Regulation (EC) No 10907/2006 (REACH)

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Version: 2



ADBLUE

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

1.1. Product identifier

Trade name/designation:

ADBlue

Other names:

AUS32

UFI:

JD7W-85R8-XOKA-83CA

1.2. Relevant identified uses of the substance or mixture and

Uses advised against

Use of the substance/mixture:

Reducing agent

Relevant identified uses:

Life cycle stage (LCS)

PW: Wide use by commercial users

C: Use by consumers

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Advanced Blue Technologies GmbH

Sieveringerstrasse 184

1190 Vienna

Phone: +436643591103

E-mail: office@austromol.at

Website: www.austromol.at

1.4. Emergency number

Poisoning Information Centre (VIZ), 24H: +43 1 406 43 43,
+43 1 406 68 98 (This number is only manned during office hours.)

SECTION 2: Possible dangers

2.1 Classification of the substance or mixture

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

The mixture is not classified as hazardous according to Regulation (EC) No 1272/2008 (CLP).

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2.2 Labelling elements

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

The product is not subject to labelling according to EC directives or the respective national laws.

Driving instructions:-

Additional hazard features:-

Safety instructions:-

2.3 Other hazards

No data available

SECTION 3: Composition/information on ingredients

3.1 Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 (CLP)	Concentration
CAS No: 57-13-6 EC No: 200-315-5	Urea The substance is not classified as hazardous according to Regulation (EC) No 1272/2008 (CLP)	31,8 < 33,2 Weight -%

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

In the event of an accident or if you feel unwell, call a doctor immediately (if possible, show the operating instructions or safety data sheet). Remove the casualty from the danger zone. Remove soiled, soaked clothing. If unconscious and not breathing, place in recovery position and seek medical advice. Do not leave the victim unattended.

After inhalation:

Provide fresh air.

After ingestion:

Rinse out mouth. Drink plenty of water in small sips (dilution effect). If you feel unwell, seek medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

No symptoms known to date.

4.3 Information on immediate medical assistance or specialised treatment

Symptomatic treatment.

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SECTION 5: Fire-fighting measures

5.1 Extinguishing agents

No data available

5.2 Special hazards arising from the substance or mixture

In case of fire: Gases/vapours, toxic

5.3 Instructions for firefighting

Wear self-contained breathing apparatus and chemical protection suit.

5.3 Additional notes

Collect contaminated extinguishing water separately. Do not allow to enter the sewage system or bodies of water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and in emergencies

Procedures to be applied

6.1.1 Personnel not trained for emergencies

Personal precautions:

Avoid inhalation of dust, smoke, gas, mist, vapour, aerosols.

Bring people to safety.

Protective equipment:

Wear protective gloves/ protective clothing/ eye protection/ face protection.

6.1.2 Emergency services

Personal protective equipment:

Personal protective equipment: See section 8

6.2 Environmental protection measures

Do not allow to enter drains or waterways.

6.3 Methods and material for containment and cleaning

For retention:

Absorb with liquid-binding material (sand, diatomaceous earth, acid binder, universal binder).

6.4 Reference to other sections

Safe handling: see section 7 Personal protective equipment: see section 8 Disposal see section 13

6.5 Additional notes

Use suitable containers to avoid contamination of the environment.

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SECTION 7: Handling and storage

7.1 Protective measures for safe handling

Protective measures

Instructions for safe handling:

Wear personal protective equipment (see section 8).

Notes on general industrial hygiene

Do not eat, drink or smoke while working. Avoid contact with eyes and skin.

7.2 Conditions for safe storage in consideration of incompatibilities

Technical measures and storage conditions:

Keep the container tightly closed and store in a cool, well-ventilated place.

packaging materials:

Store only in the original container in a cool, well-ventilated place. Protect container from damage. Protect against UV radiation/sunlight.

Requirements for storage rooms and containers:

Store only in the original container in a cool, well-ventilated place. Keep container tightly closed and store in a cool, well-ventilated place. Keep/store only in the original container.

Storage class (TRGS 510, Germany):

12- non-flammable liquids that cannot be assigned to any of the aforementioned storage classes

Further information on storage conditions:

Storage temperature max 25°C

7.3 Specific end uses

Requirement:

Observe the technical data sheet.

SECTION 8: Exposure controls/personal protective equipment

8.1 Parameters to be monitored

8.1.1 Workplace limit values

Limit value type (country of origin)	Substance name	1. Long-term occupational exposure limit 2. Short-term workplace limit value 3. Instantaneous value 4. Monitoring and observation procedures 5. Remark
LT	Urea CAS No: 57-13-6 EC No: 200-315-5	1. 10mg/m ³

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8.1.2 Biological limit values

No data available

8.1.3 DNEL/PNEC values

No data available

8.2 Limitation and monitoring of exposure

8.2.1 Suitable technical control devices

No data available

8.2.2 Personal protective equipment

Eye/face protection:

Frame goggles with side protection DIN EN 166

Skin protection:

Tested protective gloves must be worn EN ISO 374 Suitable material: Breakthrough time: min If gloves are to be reused, clean them before taking them off and store them in a well-ventilated place.

Breakthrough times and swelling properties of the material must be taken into account.

8.2.3 Limitation and monitoring of environmental exposures

No data available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state: liquid **Colour:** colourless **Odour:** odourless

Safety-relevant basic data

Parameters	Value	At °C	
pH value	>9-<10	20°C	
Melting point	not determined		
Freezing point	not determined		
Boiling start and boiling range	not determined		
Decomposition temperature	not determined		
Flash point	not determined		
Evaporation rate	not determined		
Ignition temperature	not determined		
Upper/lower flammability or explosion limits	not determined		
Vapour pressure	not determined		
Vapour density	not determined		
Density	>1.087-<1.093kg/l	20°C	

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Relative density	not determined		
Bulk density	not determined		
Water solubility	Fully miscible		
Partition coefficient n-octanol/water	not determined		
Viscosity, dynamic	not determined		
Viscosity, kinematic	not determined		

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

This material is considered non-reactive under normal conditions of use.

10.2 Chemical stability

No hazardous reactions will occur if handled and stored as directed.

10.3 Possibility of dangerous reactions

No hazardous reactions will occur if handled and stored as directed.

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

No data available

SECTION 11 Toxicological information

11.1 Information on hazard classes according to Regulation (EC) No 1272/2008

Acute oral toxicity:

Based on the available data, the classification criteria are not met.

Acute dermal toxicity:

Based on the available data, the classification criteria are not met.

Acute inhalation toxicity:

Based on the available data, the classification criteria are not met.

Corrosive/irritant effect on the skin:

Based on the available data, the classification criteria are not met.

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Serious eye damage/irritation:

Based on the available data, the classification criteria are not met.

Sensitisation of the respiratory tract or skin:

Based on the available data, the classification criteria are not met.

Germ cell mutagenicity:

Based on the available data, the classification criteria are not met.

Carcinogenicity:

Based on the available data, the classification criteria are not met.

Reproductive toxicity:

Based on the available data, the classification criteria are not met.

Specific target organ toxicity at single exposure:

Based on the available data, the classification criteria are not met.

Specific target organ toxicity with repeated exposure:

Based on the available data, the classification criteria are not met.

Aspiration hazard:

Based on the available data, the classification criteria are not met.

Additional information:

No data available

11.2 Information on other hazards

No data available

SECTION 12: Environmental information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of the PBT and vPvB assessment

Substance name	Results of the PBT and vPvB assessment
Urea CAS No: 57-13-6 EC No: 200-315-5	-

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12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

No data available

SECTION 13: Disposal instructions

13.1 Waste treatment processes

Waste treatment solution

Proper disposal / product:

Contact the responsible authorised waste disposal company for waste disposal.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway transport (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI/IATA-DGR)
14.1 UN number or ID number			
No dangerous goods in the sense of these transport regulations.	No dangerous goods in the sense of these transport regulations.	No dangerous goods in the sense of these transport regulations.	No dangerous goods in the sense of these transport regulations.
14.2 UN proper shipping name			
No dangerous goods in the sense of these transport regulations.	No dangerous goods in the sense of these transport regulations.	No dangerous goods in the sense of these transport regulations.	No dangerous goods in the sense of these transport regulations.
14.3 Transport hazard classes			
Not relevant	Not relevant	Not relevant	Not relevant
14.4 Packaging group			
Not relevant	Not relevant	Not relevant	Not relevant
14.5 Environmental hazards			
Not relevant	Not relevant	Not relevant	Not relevant
14.6 Special precautions for the user			
Not relevant	Not relevant	Not relevant	Not relevant

14.7 Transport of bulk cargo by sea in accordance with IMO instruments

No data available

Section 15: Legislation

15.1 Regulations on safety, health and environmental protection/specific

Legislation for the substance or mixture

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15.1.1 EU regulations

Authorisations:

Certified by the VDA in accordance with ISO 22241-1 to 22241-3

15.1.2 National regulations

 (AT) National regulations

Other regulations, restrictions and prohibitions

ADBlue is a registered trademark of VDA

15.2 Chemical safety assessment

No data available

Section 16: Other information

16.1 Amendment notes

No data available

16.2 Abbreviations and acronyms

No data available

16.3 Important literature references and data sources

No data available

16.4 Classification of mixtures and assessment method used according to Regulation (EC)

No.1272/2008 (CLP)

The mixture is not classified as hazardous according to Regulation (EC) No 1272/2008(CLP).

16.5 Wording of R-, H- and EUH-phrases (number and full text)

No data available

16.6 Training instructions

No data available

16.7 Additional notes

No data available

Notes

