

Version number:	Version 2
Issued:	2022-08-05
Replaces SDS:	2022-05-11

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

AdBlue®

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

1.1. Product identifier

Trade name

AdBlue®

Article No.

36-5104, 36-5105

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

Product type

Reduction of nitrogen oxides from exhaust gases

1.3. Details of the supplier of the safety data sheet

Supplier

BILTEMA SWEDEN AB

Street address

Garnisonsgatan 26, 2nd FL

SE-254 66 Helsingborg

Sweden

Telephone

+46 77 520 00 00

Email

kundservice@biltema.com

Web site

www.biltema.se

1.4. Emergency telephone number

No data available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

2.2. Label elements

The product does not require labelling in accordance with CLP Regulation (EC) No 1272/2008.

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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

AdBlue®

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Note
Urea	57-13-6 200-315-5 - -	30 - 35%	-	- - -	-

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/... if you feel unwell.

Skin contact

Wash with plenty of water/soap. Call a POISON CENTER/doctor/... if you feel unwell.

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

Ingestion

Rinse mouth thoroughly with water. Immediately call a POISON CENTER or doctor/physician.

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

No data available

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

foam, carbon dioxide, dry powder or water mist.

Unsuitable extinguishing media

Do not use a strong jet of water as it may spread and expand the fire.

Version number:	Version 2
Issued:	2022-08-05
Replaces SDS:	2022-05-11

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

AdBlue®

5.2. Special hazards arising from the substance or mixture

In case of fire, harmful gases (carbon monoxide and carbon dioxide) can be formed. Exposure to decomposition products may be harmful to health.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Use respiratory protection and protective clothing.

Other

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide good ventilation. Wear personal protection equipment (refer to section 8). Safe handling: see section 7

6.2. Environmental precautions

Prevent leakage from reaching drains, land or watercourses.

6.3. Methods and material for containment and cleaning up

Take up spills by using non-combustible absorbent materials (eg sandy soil, iatomic soil, vermiculite). Return contents/container to the point of sale or to a special waste collection point. Disposal: see section 13

6.4. Reference to other sections

SECTION 7: Handling and storage

SECTION 8: Exposure controls/personal protection

SECTION 13: Disposal considerations

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions

Provide good ventilation. Avoid contact with skin, eyes and clothes. Personal protection equipment: see section 8

General hygiene

Wash hands before breaks and after work. Keep away from foodstuffs, beverages and feed

7.2. Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Store in a cool dry place. Recommended storage temperature : -10 °C - 25°C

7.3. Specific end use(s)

See section 1.2 for specific applications.

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

AdBlue®**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

No data available

8.2. Exposure controls**Appropriate engineering controls**

Provide adequate ventilation. Handle in accordance with good occupational hygiene and safety practices.

Eye / face protection

Wear eye protection when there is a risk of splashes.

Hand protection

In case of repeated or prolonged skin contact, wear protective gloves. Recommended material: Butyl caoutchouc (butyl rubber) , Natural rubber , NBR (Nitrile rubber) .

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties****Physical state**

Liquid

Colour

colourless

Odour

ammonia like

Melting point / freezing point

-10.5 °C

Boiling point or initial boiling point and boiling range

No data available

Flammability

No data available

Lower and upper explosion limit

No data available

Flash point

No data available

Version number:	Version 2
Issued:	2022-08-05
Replaces SDS:	2022-05-11

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

AdBlue®

Auto-ignition temperature

No data available

Decomposition temperature

No data available

pH

9 - 10

Kinematic viscosity

No data available

Solubility

No data available

Water solubility

Soluble in water

Partition coefficient n-octanol/water

No data available

Vapour pressure

23 hPa

Density and/or relative density

1 g/cm³

Relative vapour density

No data available

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under recommended storage and handling conditions.

10.2. Chemical stability

Stable under recommended storage and handling conditions.

10.3. Possibility of hazardous reactions

No known hazardous reactions. No risk under normal conditions of use.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Frost

Version number:	Version 2
Issued:	2022-08-05
Replaces SDS:	2022-05-11

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

AdBlue®

10.5. Incompatible materials

Strong acid
Strong alkali
Oxidising agent, strong

10.6. Hazardous decomposition products

May form hazardous decomposition products when exposed to high temperatures.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

CAS 57-13-6

LD50: oral , Rat = 14 300 mg/kg.

Skin corrosion/irritation

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

Serious eye damage/irritation

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

Respiratory or skin sensitisation

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

Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

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

11.2. Information on other hazards

Endocrine disrupting properties

No information available.

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

AdBlue®

SECTION 12: Ecological information

12.1. Toxicity

Toxicity

Prevent leaks and prevent soil / water pollution caused by leaks.

Acute fish toxicity

Product / Substance name CAS / EC no.	Value / Result	Duration of exposure	Species
Urea 57-13-6	> 6.810 mg/l	16 d	Leuciscus idus (golden orfe)

Acute algae toxicity

Product / Substance name CAS / EC no.	Value / Result	Duration of exposure	Species
Urea 57-13-6	> 10 000 mg/l	8 d	Scenedesmus quadricauda

Acute crustacean toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
Urea 57-13-6	LC50	> 10 000 mg/l	48 h	Daphnia magna (Big water flea)

Acute toxicity

Product / Substance name CAS / EC no.	Value / Result	Duration of exposure	Species
Urea 57-13-6	> 10 000 mg/l	16 h	Pseudomonas putida

12.2. Persistence and degradability

Persistence and degradability

Product / Substance name CAS / EC no.	Duration	Result	Method / Guideline
Urea 57-13-6	16 d	96% The product is easily	OECD Test Guideline 302B

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

AdBlue®

Product / Substance name CAS / EC no.	Duration	Result	Method / Guideline
		degradable in nature.	

12.3. Bioaccumulative potential**Bioaccumulative potential**

Product / Substance name CAS / EC no.	LogKow / LogPow
Urea 57-13-6	-1,59

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment**Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

No data available

Other

No data available

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal considerations**

Dispose of contents/container to an appropriate recycling or disposal facility.

SECTION 14: Transport information**14.1. UN number**

Not applicable

14.2. UN proper shipping name

Not applicable

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

AdBlue®

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

Other

Not applicable

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations**

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

The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

15.2. Chemical safety assessment

No

SECTION 16: Other information**References to key literature and data sources**

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

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]