



# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

**Eni AdBlue®**

Material number 0837

Revision date: 10.2.2023

Version: 7.1

Replaces version: 7.0

Language: en-DE

Date of print: 14.2.2023

Page: 1 of 7

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

### 1.1 Product identifier

Trade name: Eni AdBlue®

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

General use: additive.

### 1.3 Details of the supplier of the safety data sheet

Company name: Eni Schmiertechnik GmbH

Street/POB-No.: Paradiesstraße 14

Postal Code, city: DE-97080 Würzburg

WWW: www.enischmiertechnik.de

E-mail: info.wuerzburg@eni.com

Telephone: +49 (0)931-90098-0

Telefax: +49 (0)931-98442

Department responsible for information:

Application Engineering & Product Management (AEPM)

Telephone: +49 (0)931-90098-0

E-mail: technik.wuerzburg@eni.com

### 1.4 Emergency telephone number

GIZ-Nord, Göttingen

Telephone: +49 (0)551-19240

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

This mixture is classified as not hazardous.

### 2.2 Label elements

#### Labelling (CLP)

Hazard statements: not applicable

Precautionary statements: not applicable

### 2.3 Other hazards

No risks worthy of mention.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

The product does not contain any as PBT or vPvB classified substances.

## SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

### 3.2 Mixtures

Chemical characterisation: A mixture of: Water and Urea.



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Page: 2 of 7

Hazardous ingredients:

Identifiers	Designation Classification	Content
REACH 01-2119463277-33-xxxx EC No. 200-315-5 CAS 57-13-6	Urea not classified	32,5 %

Full text of H- and EUH-statements: see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- In case of inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if problems persist.
- Following skin contact: Remove residues with soap and water. Change contaminated clothing. In case of skin reactions, consult a physician.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.
- After swallowing: Rinse mouth. Drink one or two glasses of water.  
Never give anything by mouth to an unconscious person. Seek medical attention.

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

After eye contact: The product can cause irritation of the eyes.

### 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: Extinguishing is to be in accordance with the surrounding fire.  
Water spray jet, foam, extinguishing powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:  
Full water jet.

### 5.2 Special hazards arising from the substance or mixture

May form dangerous gases and vapours in case of fire.  
Furthermore, there may develop:  
Nitrogen oxides (NO<sub>x</sub>), Ammonia, carbon monoxide and carbon dioxide.

### 5.3 Advice for firefighters

Special protective equipment for firefighters:  
Wear self-contained breathing apparatus.

Additional information: Do not inhale explosion and combustion gases. Do not allow fire water to penetrate into surface or ground water.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe mist/vapours/spray. Provide adequate ventilation.  
Wear appropriate protective equipment. Take off contaminated clothing and wash it before reuse.  
Avoid contact with skin and eyes.  
Keep unprotected people away.



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Page: 3 of 7

## 6.2 Environmental precautions

Do not release large quantities into the surface water or into drains.

## 6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal.

Additional information: Special danger of slipping by leaking/spilling product.

## 6.4 Reference to other sections

Refer additionally to section 8 and 13.

# SECTION 7: Handling and storage

## 7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Do not breathe mist/vapours/spray. Wear appropriate protective equipment. Take off contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Avoid contact with skin and eyes.

## 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers: Keep container tightly closed and in a well-ventilated place. Keep container dry. Keep only in the original container. Protect from heat and direct sunlight. Recommended storage temperature: 0-25°C.

Hints on joint storage: Keep away from food, drink and animal feedingstuffs.

Storage class: 12 = Non-combustible liquids

## 7.3 Specific end use(s)

No information available.

# SECTION 8: Exposure controls/personal protection

## 8.1 Control parameters

Additional information: Contains no substances with occupational exposure limit values.

## 8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area.

## Personal protection equipment

### Occupational exposure controls

Respiratory protection: In case of inadequate ventilation wear respiratory protection. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product.

Hand protection: Protective gloves according to EN 374. Glove material: Nitrile rubber, polyvinyl chloride. Breakthrough time: >240 Minuten. Layer thickness: 0,4 mm. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to EN 166.

Body protection: Wear suitable protective clothing.



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Date of print: 14.2.2023

Page: 4 of 7

General protection and hygiene measures:

Do not breathe mist/vapours/spray.

Avoid contact with skin and eyes.

Do not get in eyes, on skin, or on clothing. Take off contaminated clothing and wash it before reuse.

Do not eat, drink or smoke when using this product.

Wash hands thoroughly after handling.

## Environmental exposure controls

Refer to "6.2 Environmental precautions".

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa	liquid
Colour:	colourless
Odour:	Ammonia odour.
Odour threshold:	No data available
Melting point/freezing point:	approx. -11 °C
Initial boiling point and boiling range:	> 100 °C
Flammability:	No data available
Upper/lower flammability or explosive limits:	No data available
Flash point/flash point range:	No data available
Decomposition temperature:	No data available
pH:	at 20 °C, 100 g/L: 9 - 10
Viscosity, kinematic:	No data available
Water solubility:	at 20 °C: completely miscible
Partition coefficient: n-octanol/water:	No data available
Vapour pressure:	at 20 °C: approx. 23 hPa
Density:	at 20 °C: approx. 1,09 g/mL
Vapour density:	No data available
Particle characteristics:	Not applicable

### 9.2 Other information

Explosive properties:	No data available
Oxidizing characteristics:	No data available
Auto-ignition temperature:	No data available
Water content:	67,5 %
Evaporation rate:	No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Refer to subsection "Possibility of hazardous reactions".

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

do not mix with: strong oxidizing agents.

Information about Urea: Contact with calcium hypochlorite or Sodium hypochlorite liberates nitrogen trichloride. Explosion risk.



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Page: 5 of 7

## 10.4 Conditions to avoid

Keep away from heat.

## 10.5 Incompatible materials

Strong oxidizing agents, alkalis.

## 10.6 Hazardous decomposition products

Ammonia.

Thermal decomposition: No data available

## SECTION 11: Toxicological information

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

Toxicological effects:

- Acute toxicity (oral): Lack of data.
- Acute toxicity (dermal): Lack of data.
- Acute toxicity (inhalative): Lack of data.
- Skin corrosion/irritation: Lack of data.
- Serious eye damage/irritation: Lack of data.
- Sensitisation to the respiratory tract: Lack of data.
- Skin sensitisation: Lack of data.
- Germ cell mutagenicity/Genotoxicity: Lack of data.
- Carcinogenicity: Lack of data.
- Reproductive toxicity: Lack of data.
- Effects on or via lactation: Lack of data.
- Specific target organ toxicity (single exposure): Lack of data.
- Specific target organ toxicity (repeated exposure): Lack of data.
- Aspiration hazard: Lack of data.

### 11.2 Information on other hazards

Endocrine disrupting properties: No data available

Other information: Information about Urea: LD50 Rat, oral: > 14.300 mg/kg.

## Symptoms

After eye contact: The product can cause irritation of the eyes.

## SECTION 12: Ecological information

### 12.1 Toxicity

Aquatic toxicity:

- Information about Urea:
- Fish toxicity:
- LC50 *Leuciscus idus*: >6.810 mg/L/96h.
- Daphnia toxicity:
- EC50 *Daphnia magna* (Big water flea): >10.000 mg/L/48h
- Bacterial toxicity:
- EC50 *Pseudomonas putida*: >10.000 mg/L/16h

Water Hazard Class: 1 = slightly hazardous to water (Self-classification (mixture).)

### 12.2 Persistence and degradability

Further details: Information about Urea:  
Biodegradation: 96 %/16 d (OECD 302 B), readily biodegradable



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Page: 6 of 7

## 12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

No data available

## 12.4 Mobility in soil

No data available

## 12.5 Results of PBT and vPvB assessment

The product does not contain any as PBT or vPvB classified substances.

## 12.6 Endocrine disrupting properties

No data available

## 12.7 Other adverse effects

General information:

Do not allow to enter into ground-water, surface water or drains.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Waste key number:

07 01 99 = Wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals: wastes not otherwise specified  
MFSU = manufacture, formulation, supply and use

Recommendation:

Dispose of waste according to applicable legislation.  
Do not allow to enter into ground-water, surface water or drains.

#### Package

Recommendation:

Dispose of waste according to applicable legislation. Non-contaminated packages may be recycled.

## SECTION 14: Transport information

### 14.1 UN number or ID number

ADR/RID, ADN, IMDG, IATA-DGR:

not applicable

### 14.2 UN proper shipping name

ADR/RID, ADN, IMDG, IATA-DGR:

Not restricted

### 14.3 Transport hazard class(es)

ADR/RID, ADN, IMDG, IATA-DGR:

not applicable

### 14.4 Packing group

ADR/RID, ADN, IMDG, IATA-DGR:

not applicable

### 14.5 Environmental hazards

Dangerous for the environment: Substance/mixture is not environmentally hazardous according to the criteria of the UN model regulations.

Marine pollutant - IMDG:

no

### 14.6 Special precautions for user

No dangerous good in sense of these transport regulations.



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Page: 7 of 7

## 14.7 Maritime transport in bulk according to IMO instruments

No data available

## SECTION 15: Regulatory information

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

#### National regulations - Germany

Storage class: 12 = Non-combustible liquids

Water Hazard Class: 1 = slightly hazardous to water (Self-classification (mixture).)

Further regulations, limitations and legal requirements:  
No data available

#### National regulations - EC member states

Further regulations, limitations and legal requirements:  
No data available

### 15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

## SECTION 16: Other information

Reason of change: General revision

Date of first version: 21.2.2022

Department issuing data sheet: see section 1: Department responsible for information

Abbreviations and acronyms: ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
AS/NZS: Australian Standards/New Zealand Standards  
CAS: Chemical Abstracts Service  
CFR: Code of Federal Regulations  
CLP: Classification, Labelling and Packaging  
DMEL: Derived minimal effect level  
DNEL: Derived no-effect level  
EC: European Community  
EC50: Effective Concentration 50%  
EN: European Standard  
EQ: Excepted quantities  
EU: European Union  
IATA: International Air Transport Association  
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations  
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IMDG Code: International Maritime Dangerous Goods Code  
LC50: Median lethal concentration  
LD50: Lethal dose 50%  
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships  
MFSU: Manufacture, formulation, supply and use  
OSHA: Occupational Safety and Health Administration  
PBT: Persistent, bioaccumulative and toxic  
PNEC: Predicted no-effect concentration  
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals  
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail  
TRGS: Technical Rules for Hazardous Substances  
vPvB: Very persistent and very bioaccumulative

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

Most recent product information is available at:  
<http://sumdat.net/pu3t6p3>

