

according to Regulation (EC) No 1907/2006

**MITANOL AdBlue**

Revision date: 07.07.2020

Product code: MIT0136

Page 1 of 7

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

MITANOL AdBlue

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.3. Details of the supplier of the safety data sheet**

Company name: MITAN Mineralöl GmbH  
Street: Industriestraße 8  
Place: D-49577 Ankum  
Telephone: +49 (0)5462/7470-50  
e-mail: info@mitan-oil.de  
e-mail (Contact person): sicherheitsdatenblatt@mitan-oil.de  
Internet: www.mitan-oil.de

Telefax: +49 (0)5462/7470-33

**1.4. Emergency telephone****number:**Gif tinformationszentrum Nord (Göttingen)  
+49 (0)551/19240**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

**2.2. Label elements****2.3. Other hazards**

No information available.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Hazardous components**

| CAS No  | Chemical name             |          |                  | Quantity    |
|---------|---------------------------|----------|------------------|-------------|
|         | EC No                     | Index No | REACH No         |             |
|         | GHS Classification        |          |                  |             |
| 57-13-6 | Urea in aqueous solution. |          |                  | 30 - < 35 % |
|         | 200-315-5                 |          | 01-2119463277-33 |             |

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

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Get medical advice/attention if you feel unwell.

**After inhalation**

Provide fresh air.

**After contact with skin**

Wash with plenty of water.

Take off contaminated clothing and wash it before reuse.

**After contact with eyes**

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids

according to Regulation (EC) No 1907/2006

**MITANOL AdBlue**

Revision date: 07.07.2020

Product code: MIT0136

Page 2 of 7

apart and consult an ophthalmologist.

**After ingestion**

Observe risk of aspiration if vomiting occurs.

Rinse mouth immediately and drink plenty of water.

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

No information 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**

Co-ordinate fire-fighting measures to the fire surroundings. Water Extinguishing powder Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media**

High power water jet.

**5.2. Special hazards arising from the substance or mixture**

In case of fire may be liberated:

Ammonia (NH<sub>3</sub>) Nitrogen oxides (NO<sub>x</sub>)

Carbon dioxide (CO<sub>2</sub>). Carbon monoxide

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

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**

Use personal protection equipment.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

Collect contaminated fire extinguishing water separately. This must not be discharged 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). Treat the recovered material as prescribed in the section on waste disposal.

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Advice on safe handling**

No special measures are necessary.

**Advice on protection against fire and explosion**

No special fire protection measures are necessary.

**7.2. Conditions for safe storage, including any incompatibilities**

**Requirements for storage rooms and vessels**

Keep container tightly closed.

according to Regulation (EC) No 1907/2006

**MITANOL AdBlue**

Revision date: 07.07.2020

Product code: MIT0136

Page 3 of 7

**Hints on joint storage**

No special measures are necessary.

**Further information on storage conditions**

Recommended storage temperature 10-25°C

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**DNEL/DMEL values**

| CAS No             | Substance                 |          |                  |  |
|--------------------|---------------------------|----------|------------------|--|
| DNEL type          | Exposure route            | Effect   | Value            |  |
| 57-13-6            | Urea in aqueous solution. |          |                  |  |
| Worker DNEL, acute | dermal                    | systemic | 580 mg/kg bw/day |  |

**PNEC values**

| CAS No                    | Substance                 |  |  |
|---------------------------|---------------------------|--|--|
| Environmental compartment | Value                     |  |  |
| 57-13-6                   | Urea in aqueous solution. |  |  |
| Freshwater                | 0,047 mg/l                |  |  |

**Additional advice on limit values**

To date, no national critical limit values exist.

**8.2. Exposure controls**



**Protective and hygiene measures**

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

**Eye/face protection**

Wear eye protection/face protection.

**Hand protection**

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

**Skin protection**

Wear suitable protective clothing.

**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: like: Ammonia

**Test method**

pH-Value (at 20 °C): 9-10 DIN 51369

according to Regulation (EC) No 1907/2006

**MITANOL AdBlue**

Revision date: 07.07.2020

Product code: MIT0136

Page 4 of 7

**Changes in the physical state**

Melting point: ca. -11 °C  
Initial boiling point and boiling range: > 100 °C  
Flash point: not determined

**Flammability**

Solid: not applicable  
Gas: not applicable

Lower explosion limits: not determined  
Upper explosion limits: not determined

**Auto-ignition temperature**

Solid: not applicable  
Gas: not applicable

Decomposition temperature: not determined

**Oxidizing properties**

Not oxidising.

Vapour pressure: ca. 23 hPa  
(at 20 °C)

Density: ca. 1,09 g/cm<sup>3</sup> DIN 51757

**Solubility in other solvents**

not determined

Partition coefficient: not determined

Vapour density: not determined

Evaporation rate: not determined

**9.2. Other information**

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

No known hazardous reactions.

**10.4. Conditions to avoid**

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

**10.5. Incompatible materials**

Oxidising agent, strong

**10.6. Hazardous decomposition products**

No known hazardous decomposition products.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

according to Regulation (EC) No 1907/2006

**MITANOL AdBlue**

Revision date: 07.07.2020

Product code: MIT0136

Page 5 of 7

**Acute toxicity**

| CAS No  | Chemical name             |               |         |        |          |  |
|---------|---------------------------|---------------|---------|--------|----------|--|
|         | Exposure route            | Dose          | Species | Source | Method   |  |
| 57-13-6 | Urea in aqueous solution. |               |         |        |          |  |
|         | oral                      | LD50<br>mg/kg | 14300   | Rat    | OECD 401 |  |

**Additional information on tests**

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

**SECTION 12: Ecological information**
**12.1. Toxicity**

The product is not: Ecotoxic.

| CAS No  | Chemical name             |              |           |   |        |        |
|---------|---------------------------|--------------|-----------|---|--------|--------|
|         | Aquatic toxicity          | Dose         | [h]   [d] | Species                                 | Source | Method |
| 57-13-6 | Urea in aqueous solution. |              |           |   |        |        |
|         | Acute fish toxicity       | LC50<br>mg/l | >6810     | 96 h<br>Leuciscus idus<br>(golden orfe) |        |        |

**12.2. Persistence and degradability**

The product has not been tested.

| CAS No  | Chemical name                         |       |    |        |  |  |
|---------|---------------------------------------|-------|----|--------|--|--|
|         | Method                                | Value | d  | Source |  |  |
|         | Evaluation                            |       |    |        |  |  |
| 57-13-6 | Urea in aqueous solution.             |       |    |        |  |  |
|         | OECD 302B/ ISO 9888/ EEC 92/69/V, C.9 | 96%   | 16 |        |  |  |

**12.3. Bioaccumulative potential**

The product has not been tested.

**Partition coefficient n-octanol/water**

| CAS No  | Chemical name             | Log Pow |
|---------|---------------------------|---------|
| 57-13-6 | Urea in aqueous solution. | -1,56   |

**12.4. Mobility in soil**

The product has not been tested.

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

The product has not been tested.

**12.6. Other adverse effects**

No information available.

**Further information**

Avoid release to the environment.

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

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

**Contaminated packaging**

Wash with plenty of water. Completely emptied packages can be recycled.

according to Regulation (EC) No 1907/2006

Revision date: 07.07.2020

**MITANOL AdBlue**

Product code: MIT0136

Page 6 of 7

## SECTION 14: Transport information

### Land transport (ADR/RID)

- 14.1. UN number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

### Inland waterways transport (ADN)

- 14.1. UN number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

### Marine transport (IMDG)

- 14.1. UN number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

### Air transport (ICAO-TI/IATA-DGR)

- 14.1. UN number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

### 14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No dangerous good in sense of this transport regulation.

## SECTION 15: Regulatory information

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

#### National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### Changes

This data sheet contains changes from the previous version in section(s): 2,3,4,5,6,7,9,10.

### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### MITANOL AdBlue

Revision date: 07.07.2020

Product code: MIT0136

Page 7 of 7

IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%

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#### Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*