

Safety Data Sheet

according to Regulation (EC) No 1907/2006

AdBlue® 10 ltr.

Print date: 10.07.2020

Product code: 5582015

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

1.1. Product identifier

AdBlue® 10 ltr.

Further trade names

JMC AdBlue® Reduktionsmittel 5l (JM-Nr. 558 20 14)

JMC AdBlue® Reduktionsmittel 20l (JM-Nr. 558 20 16)

JMC AdBlue® Reduktionsmittel 60l (JM-Nr. 558 20 17)

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

Use of the substance/mixture

Additive to be used for injection into diesel exhaust systems to reduce exhaust emissions.

1.3. Details of the supplier of the safety data sheet

Manufacturer

Company name: Johannes J. Matthies GmbH & Co. KG

Street: Hammerbrookstr. 97

Place: D-20097 Hamburg

Telephone: + 49 (0) 40 2 37 21-0

e-mail: info@matthies.de

Internet: www.matthies.de

Supplier

Company name: Larsson UK Ltd.

Street: 7 Alpha Court, Phoenix Parkway

Place: GB-NN17 5DP Corby

Telephone: + 44 1536 265633

e-mail: info@larsson.uk.com

Internet: www.larsson.uk.com

1.4. Emergency telephone number:

+ 44 1536 265633

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

Chemical characterization

ingredient: 32,5 % urea

CAS No.: 57-13-6; EC No.: 200-315-5

REACH No.: 01-2119463277-33-000

Classification according to 67/548/EEC: none

Classification according to Regulation (EC) No 1272/2008 [CLP]: none

SECTION 4: First aid measures

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4.1. Description of first aid measures**General information**

First aider: Pay attention to self-protection! Remove affected person from the danger area and lay down. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

Remove casualty to fresh air and keep warm and at rest.
If experiencing respiratory symptoms: Call a doctor.

After contact with skin

Wash with plenty of water.
Remove contaminated, saturated clothing immediately.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.
Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

Do NOT induce vomiting. Get immediate medical advice/attention. Never give anything by mouth to an unconscious person or a person with cramps.
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.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon monoxide, Carbon dioxide (CO₂), Ammonia (NH₃), Nitrogen oxides (NO_x).

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes.
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**

No special measures are necessary.
Avoid contact with skin. Avoid contact with eyes.
Use personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.
Do not allow to enter into soil/subsoil. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Prevent spread over a wide area (e.g. by containment or oil barriers).
Take up mechanically, placing in appropriate containers for disposal.
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

Personal protection equipment: see section 8

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid contact with eyes. Avoid contact with skin.
Take off contaminated clothing.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Further information on handling

No special handling advices are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Only use containers specifically approved for the substance/product.
Unsuitable container/equipment material: Copper. Alloy, containing copper. Zinc.
Keep container tightly closed and in a well-ventilated place.
Always close containers tightly after the removal of product.
Recommended storage temperature: 0 - 25 °C

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Protect against: heat. Frost. Protect against direct sunlight.

7.3. Specific end use(s)

Emissions control. Treatment of gas emissions (NOx reduction).

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

air limit values: Does not contain substances above concentration limits fixing an occupational exposure limit.

8.2. Exposure controls



Appropriate engineering controls

No information available.

Protective and hygiene measures

When using do not eat, drink, smoke, sniff.
Avoid contact with skin, eyes and clothes.
Remove contaminated, saturated clothing immediately.
Wash contaminated clothing prior to re-use.
Wash hands before breaks and after work.
After cleaning apply high-fat content skin care cream.
Do not put any product-impregnated cleaning rags into your trouser pockets.

Eye/face protection

Filling and transfer. Suitable eye protection: @ES03.B000002 (DIN EN 166)

Hand protection

Tested protective gloves must be worn: DIN-/EN-Norms: DIN EN 420, DIN EN 374.
Suitable material: NBR (Nitrile rubber). PVC (polyvinyl chloride).
Required properties: liquid-tight.
Breakthrough time (maximum wearing time): > 240 min.
Thickness of the glove material: 0,4 mm

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Check leak tightness/impermeability prior to use.

Skin protection

Recommendation: 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: | Ammonia (NH ₃) |

| | Test method |
|----------------------|----------------|
| pH-Value (at 20 °C): | 9-10 DIN 51369 |

Changes in the physical state

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

Flammability

| | |
|--------|----------------|
| Solid: | not applicable |
| Gas: | not applicable |

Explosive properties

Explosive: No

| | |
|-------------------------|----------------|
| 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: (at 20 °C) | approx. 23 hPa |
|--------------------------------|----------------|

| | |
|---------------------|--|
| Density (at 20 °C): | approx. 1,09 g/cm ³ DIN 51757 |
|---------------------|--|

| | |
|---------------------------------|---------------------|
| Water solubility: (at 20 °C) | completely miscible |
|---------------------------------|---------------------|

Solubility in other solvents

not determined

| | |
|------------------------|----------------|
| Partition coefficient: | not determined |
|------------------------|----------------|

| | |
|-----------------|----------------|
| Vapour density: | not determined |
|-----------------|----------------|

| | |
|-------------------|----------------|
| Evaporation rate: | not determined |
|-------------------|----------------|

| | |
|------------------|-----------------------|
| Solvent content: | Water: approx. 67,5 % |
|------------------|-----------------------|

9.2. Other information

| | |
|----------------|----------------|
| Solid content: | not determined |
|----------------|----------------|

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

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storage stability: Do not store at temperatures above: 30 °C

10.3. Possibility of hazardous reactions

Do not mix with: Oxidising agent

Urea reacts with calcium hypochlorite or sodium hypochlorite to form the explosive nitrogen trichloride.

10.4. Conditions to avoid

Do not store at temperatures above: 30 °C

10.5. Incompatible materials

Oxidising agent, strong.

Alkali (lye).

10.6. Hazardous decomposition products

Ammonia (NH₃).

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Toxicokinetics, metabolism and distribution**

There are no data available on the preparation/mixture itself.

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

The product is not: Ecotoxic.

12.2. Persistence and degradability

Readily biodegradable (according to OECD criteria).

12.3. Bioaccumulative potential

No indication of bioaccumulation potential. Water solubility (g/L) completely miscible

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

@ES04.B001378: not applicable

@ES04.B001379: not applicable

12.6. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains.

Do not allow to enter into soil/subsoil.

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

Dispose of waste according to applicable legislation. Do not allow to enter into surface water or drains. Dispose of waste according to "Kreislaufwirtschaftsgesetz (KrWG)". Dispose of waste according to applicable legislation.

Contaminated packaging

Completely emptied packages can be recycled. Contaminated packages must be completely emptied and can be re-used following proper cleaning. Packing which cannot be properly cleaned must be disposed of.

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.

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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 information available.

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

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

Additional information

ISO 22241-1: Diesel engines - NOx reduction agent AUS 32

Observe in addition any national regulations!

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

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)

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%

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

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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.

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