

SAFETY DATA SHEET

ADBLUE®

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

1.1. Product identification

Product form: Mixture
Trade name: AdBlue
Product group: Blend

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

1.2.1. Relevant identified uses

Intended for the general public
Use of the substance or mixture: exhaust gas cleaner / NOx reduction

1.2.2. Uses of which are discouraged

No additional information available

1.3. Details of the supplier of the safety data sheet

Producer: FullTank DEF FACTORY BV
Griendweg 80
4209 DB Schelluinen - The Netherlands
+31 (0)183 62 93 92
sales@fulltank.nl
fulltank.nl

SECTION 2: Identification of hazards

2.1. Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008 [CLP].
Not classified
- Adverse physicochemical, health and environmental effects
No additional information available

2.2. Labelling elements

Labelling in accordance with Regulation (EC) No 1272/2008 [CLP].
Labelling not applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition and information on ingredients

3.1. Substance

Not applicable

3.2. Mengsels

This mixture does not contain any substances to be declared in accordance with Annex II, section 3.2

SECTION 4: First aid measures

4.1. Description of first aid measures

- | | |
|------------------------------------|--|
| First aid after inhalation | : Move the person to fresh air and make sure they can breathe easily. If unwell, consult a doctor. |
| First aid after skin contact | : Rinse skin with water/shower. Remove contaminated clothing.
In case of skin irritation or rash: consult a doctor. |
| First aid after eye contact | : Rinse carefully with water for several minutes.
Remove contact lenses, if possible. Continue rinsing. |
| First aid after ingestion by mouth | : Rinse mouth with water. Drink plenty of water.
If unwell, consult an ANTIPOISONCENTRE/doctor. |

4.2. Main acute and delayed symptoms and effects

No additional information available

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4.3. Indication of immediate medical attention and special treatment required

Symptomatic treatment.

SECTION 5: Fire-fighting measures

5.1. Fire extinguishers

Suitable extinguishing agents : (incombustible aqueous product).

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Protection during firefighting : Self-contained breathing apparatus

SECTION 6: Measures in case of accidental release of the substance or mixture

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For persons other than emergency services

Protective equipment : Protective clothing.
 Emergency procedures : Avoid contact with eyes, skin or clothing.
 Mechanically ventilate the contaminated area.

6.1.2. For emergency services

Protective equipment : Use the necessary personal protective equipment.
 Emergency procedures : Plug the leak if it can be done safely. Shut down discharge.

6.2. Environmental precautions

Do not discharge into drains or public waters. Avoid discharge into the environment.

6.3. Containment and cleaning methods and equipment

Before containment : Clean up leaks/spills.
 Cleaning methods : Absorb spills with an absorbent.
 Clean up the product mechanically.
 Other information : Take waste or solid residues to an authorised waste disposal company.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling of the substance or mixture

Handling temperature: 10 - 25 °C
 Hygiene measures: Always wash hands after handling this product. Wash contaminated clothing before reusing them. Do not eat, drink or smoke while using this product.

7.2. Conditions for safe storage, including incompatible products

Storage conditions: Store in a cool place. Protect from sunlight. Store in a well-ventilated place.
 Store in tightly closed packaging. Store in a dry, protected area to avoid contact with moisture.

Incompatible materials : Oxidising substances.

7.3. Specific end use(s)

No additional information available

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SECTION 8: Measures to control exposure/personal protection

8.1. Control parameters

AdBlue®	
DNEL/DMEL (general population)	
Long-term - systemic effects, oral	42 mg/kg bw/day
Long-term - systemic effects, inhalation	125 mg/m ³
Long-term - systemic effects, dermal	580 mg/kg bw/day
PNEC (Water)	
PNEC aqua (soft water)	0,047 mg/l

8.2. Exposure control measures

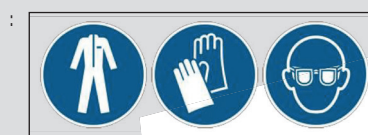
Appropriate technical measures

: Ensure proper ventilation of the workplace

Hand protection

: Gloves

Symbo(s) for personal protective equipment



Environmental exposure limitation and control

: Prevent discharge into the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless
Odour	: Ammonia
Odour threshold	: No data available
pH	: < 10
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: < -5 °C
Boiling Point	: > 100 (106 - 110) °C
Flash point	: No data available
Self-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid,gas)	: Non-flammable
Vapour pressure	: No data available
Vapour pressure at 50 °C	: 2,3 hPa 20°C
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1,087 - 1,093 kg/l
Solubility	: No data available
Log Pow	: -2,59
Viscosity, kinematic	: No data available
Viscosity, dynamic	: ≈1 mPa.s 20 °C
Explosive properties	: No data available
Oxidising properties	: No data available
Explosion limits	: No data available

9.2. Other information

Refractive index : 1,3814 - 1,3843

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SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possible hazardous reactions

Reacts violently with strong oxidising substances and acids.

10.4. Conditions to avoid

Extremely high or low temperatures.

10.5. Incompatible materials

Oxidising substances.

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
 Acute toxicity (dermal) : Not classified
 Acute toxicity (inhalation) : Not classified

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LD50 oral	> 14500 mg/kg
LD50 dermal rat	> 8200 mg/kg

Skin corrosion/irritation : Slightly irritating but not relevant for classification
 pH: < 10
 Serious eye damage/eye irritation : Not classified
 pH: < 10
 Respiratory/skin sensitisation : Not classified
 Mutagenicity in gametes : Not classified
 Carcinogenicity : Not classified
 Reproductive toxicity : Not classified
 STOT from single exposure : Not classified
 STOT on repeated exposure : Not classified
 Inhalation hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity : Not classified
 Chronic aquatic toxicity : Not classified

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LC50 fish 2	> 6800 mg/l
EC50 Daphnia 2	> 10000 mg/l 48 hr

12.2. Persistence and degradability

No additional information available

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12.3. Bioaccumulation

AdBlue®	
Log Pow	-2,59
Bioaccumulation	Not established

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Other adverse effects

: Under normal conditions of use, there are no known or foreseeable toxicological effects on the environment.

SECTION 13: Removal instructions

13.1. Waste treatment methods

Regional legislation (waste)
 Waste treatment methods

: Waste disposal in accordance with legal provisions.
 : Dispose of contents/packaging in accordance with the sorting instructions of an authorised collection company.

SECTION 14: Information relating to transport

In accordance with the requirements of ADR / RID / IMDG / IATA / ADN

14.1. VN-number

VN-nr (ADR)	: Not applicable
VN-nr (IMDG)	: Not applicable
VN-nr (IATA)	: Not applicable
VN-nr (ADN)	: Not applicable
VN-nr (RID)	: Not applicable

14.2. Proper shipping name according to VN model regulations

Official transport name (ADR)	: Not applicable
Official transport name (IMDG)	: Not applicable
Official transport name (IATA)	: Not applicable
Official transport name (ADN)	: Not applicable
Official transport name (RID)	: Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : No
 Hazard labels (IMDG) : No

IATA

Transport hazard class(es) (IATA) : No
 Gevaarsetiketten (IATA) : No

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

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14.4. Packing group

Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable

14.5. Milieugevaren

Environmentally hazardous	: No
Marine pollution	: No
Other information	: No additional information available

14.6. Special precautions for user

- Land transport	: No data available
- Transport at sea	: No data available
- Air transport	: No data available
- Transport on inland waters	: No data available
- Rail transport	: No data available

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

Not applicable

SECTION 15: Regulation

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

15.1.1. EU regulations

Bevat geen stoffen waarvoor beperkingen gelden op grond van bijlage XVII van REACH
 Bevat geen stoffen van de kandidaatslijst van REACH
 Bevat geen enkele stof die in Bijlage XIV van REACH staat vermeld

15.1.2. National regulations

Germany

Reference to AwSV	: Water hazard class (WGK) 3, highly water hazardous (Classification according to AwSV, Appendix 1)
12th executive order of the German Federal Immission Control Act - 12.BImSchV	: Not subject to the 12th BImSchV (Emission Protection Order) (Major Accident Regulation)

Netherlands

SZW list of carcinogenic substances	: None of the constituents are present
SZW list of mutagenic substances	: None of the constituents are present
NON-limiting list of reproductive toxic substances - breast feeding	: None of the constituents are present
NON-limiting list of substances toxic for reproduction substances - fertility	: None of the constituents are present
NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Ontwikkeling	: None of the constituents are present

15.2. Chemical safety assessment

No additional information available

This information is based on our current knowledge and is intended to describe the product for the application of health, safety and environmental aspects. It should therefore not be construed as a guarantee of any specific property of the product.