



SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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ADBLUE

Revision 0

Revision date 2016-02-19

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

1.1. Product identifier

| | |
|--------------|--------|
| Product name | ADBLUE |
|--------------|--------|

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

| | |
|-------------|---|
| Product Use | [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [SU17] General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment; |
|-------------|---|

1.3. Details of the supplier of the safety data sheet

| | |
|---------------------------------------|---------------------------------------|
| Company | Ferguson & Menzies Ltd |
| Address | 312 Broomloan Road Glasgow G51 2JW |
| Web | www.fergusonmenzies.co.uk |
| Telephone | 0141-445 3555 |
| Fax | 0141-425 1079 |
| Email | info@fergusonmenzies.co.uk |
| Email address of the competent person | info@fergusonmenzies.co.uk |

1.4. Emergency telephone number

| | |
|----------------------------|--------------------------------|
| Emergency telephone number | 0141-445-3555 09.00 - 17.00 |
|----------------------------|--------------------------------|

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

| | |
|--------------|-----------------------|
| Main hazards | No Significant Hazard |
|--------------|-----------------------|

2.2. Label elements

| | |
|--------------|-----------------------|
| Risk phrases | No Significant Hazard |
|--------------|-----------------------|

SECTION 3: Composition/information on ingredients

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|--------------|---|
| Inhalation | May cause irritation to mucous membranes. Move the exposed person to fresh air. |
| Eye contact | May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist. |
| Skin contact | May cause irritation to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist. |
| Ingestion | May cause irritation to mucous membranes. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist. |

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

| | |
|------------|--------------------|
| Inhalation | No data available. |
|------------|--------------------|

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

| | |
|--|--------------------|
| | No data available. |
|--|--------------------|

SECTION 5: Firefighting measures**5.1. Extinguishing media**

| | |
|--|---|
| | Use extinguishing media appropriate to the surrounding fire conditions. |
|--|---|

5.2. Special hazards arising from the substance or mixture

| | |
|--|---|
| | Burning produces irritating, toxic and obnoxious fumes. |
|--|---|

5.3. Advice for firefighters

| | |
|--|---|
| | Wear suitable respiratory equipment when necessary. |
|--|---|

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

| | |
|--|--|
| | Ensure adequate ventilation of the working area. |
|--|--|

6.2. Environmental precautions

| | |
|--|---|
| | Do not allow product to enter drains. Prevent further spillage if safe. |
|--|---|

6.3. Methods and material for containment and cleaning up

| | |
|--|---|
| | Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. |
|--|---|

6.4. Reference to other sections

| | |
|--|--|
| | See section 8 for further information. |
|--|--|

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

| | |
|--|--|
| | Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing. |
|--|--|

7.2. Conditions for safe storage, including any incompatibilities

| | |
|--|--|
| | Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers. |
|--|--|

7.3. Specific end use(s)

| | |
|--|--|
| | See section 1.2 for further information. |
|--|--|

SECTION 8: Exposure controls/personal protection**DNEL: Derived no-effect level.**

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

8.2. Exposure controls

| | |
|--|--|
| 8.2.1. Appropriate engineering controls | Ensure adequate ventilation of the working area. |
|--|--|

| | |
|--|---------------------------|
| 8.2.2. Individual protection measures | Wear protective clothing. |
|--|---------------------------|

| | |
|------------------------------|--|
| Eye / face protection | In case of splashing, wear:.. Approved safety goggles. |
|------------------------------|--|

| | |
|---|----------------------------------|
| Skin protection - Handprotection | Chemical resistant gloves (PVC). |
|---|----------------------------------|

| | |
|---|--|
| 8.2.3. Environmental exposure controls | Appropriate local exhaust ventilation is required. |
|---|--|

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

| | |
|------------------------------|--------------------------------------|
| Appearance | Liquid |
| Colour | Clear |
| Odour | Ammoniacal |
| Relative density | 1.087 (H ₂ O = 1 @ 20 °C) |
| Melting point | 11.5 °C |
| Initial boiling point | 103 °C |
| Solubility | Miscible in water |

SECTION 10: Stability and reactivity**10.1. Reactivity**

| | |
|--|---------------------------------|
| | Stable under normal conditions. |
|--|---------------------------------|

10.2. Chemical stability

| | |
|--|---------------------------------|
| | Stable under normal conditions. |
|--|---------------------------------|

10.3. Possibility of hazardous reactions

| | |
|--|--------------------|
| | No data available. |
|--|--------------------|

10.4. Conditions to avoid

| | |
|--|-------|
| | Heat. |
|--|-------|

10.5. Incompatible materials

| | |
|--|--------------------|
| | No data available. |
|--|--------------------|

10.6. Hazardous decomposition products

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

SECTION 11: Toxicological information**11.1.4. Toxicological Information**

| | |
|--------|----------------------------|
| ADBLUE | Oral Rat LD50: >2000 mg/kg |
|--------|----------------------------|

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

| | |
|--|-------------------|
| | No data available |
|--|-------------------|

12.2. Persistence and degradability

| | |
|--|------------------------|
| | Readily biodegradable. |
|--|------------------------|

12.3. Bioaccumulative potential

| | |
|--|-------------------------|
| | Does not bioaccumulate. |
|--|-------------------------|

12.4. Mobility in soil

| | |
|--|--------------------|
| | No data available. |
|--|--------------------|

12.5. Results of PBT and vPvB assessment

| | |
|--|--------------------|
| | No data available. |
|--|--------------------|

12.6. Other adverse effects

| | |
|--|--------------------|
| | No data available. |
|--|--------------------|

SECTION 13: Disposal considerations**General information**

| | |
|--|---|
| | Dispose of in compliance with all local and national regulations. |
|--|---|

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

The product is not classified as dangerous for carriage.

14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

14.4. Packing group

The product is not classified as dangerous for carriage.

14.5. Environmental hazards

The product is not classified as dangerous for carriage.

14.6. Special precautions for user

The product is not classified as dangerous for carriage.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

Further information

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information**SECTION 16: Other information****Further information**

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.