



SAFETY DATA SHEET BlueCat AdBlue

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name	BlueCat
Product No.	4303
Synonyms, Trade Names	ADBLUE / UREASOLUTION
CAS-No.	57-13-6
EC No.	200-315-5

1.2. Relevant identified uses of the substance or mixture and uses advised against
For NOx reduction in exhaust gases from vehicles with diesel engines. AdBlue® is a high purity aqueous urea solution, used as an NOx reducer in SCR-exhaust treatment for diesel vehicles.

1.3. Details of the supplier of the safety data sheet

Supplier	Brockley Group Ltd 1 Abbey Street Howth Co. Dublin +353 (1) 839 2016 (General Enquiries) +353 (1) 839 2869 (Fax)
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1.4. Emergency telephone number

+353 1 816 7029 (Transit – Brockley Group)
+353 1 837 9964 (Medical – NPIC)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards	Not classified.
Human health	Not classified.
Environment	Not classified.

Classification (1999/45/EEC) Not classified.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

2.2. Label elements

EC No. 200-315-5

Label In Accordance With (EC) No. 1272/2008

No pictogram required.

Precautionary Statements

P305+351+338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards

The substance does not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006. Annex XIII.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

urea	32.5%
CAS-No.: 57-13-6	EC No.: 200-315-5
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

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

Composition Comments
Contains water and preservative

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

Remove victim immediately from source of exposure. Get medical attention if any discomfort continues.

Ingestion

DO NOT INDUCE VOMITING! Get medical attention if any discomfort continues.

Skin contact

Wash the skin immediately with soap and water. Remove contaminated clothing. Get medical attention if irritation persists after washing.

Eye contact

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

This information is not available.

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

Treatment: No information available.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Specific hazards: In case of fire, toxic gases may be formed.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Use water spray to reduce vapours.

Protective equipment for fire-fighters

Face mask, protective gloves and safety helmet. Wear suitable respiratory protection when dealing with a fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation.

6.2. Environmental precautions

Do not allow to enter drains, sewers or watercourses. Contain spillages with sand, earth or any suitable adsorbent material.

6.3. Methods and material for containment and cleaning up

Absorb spillage with non-combustible, absorbent material. Collect in containers and seal securely. Remove containers and flush area with water.

6.4. Reference to other sections

None.

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SECTION 7: HANDLING AND STORAGE

7.1.Precautions for safe handling

Avoid contact with skin and eyes. Provide good ventilation.

7.2.Conditions for safe storage, including any incompatibilities

Store at moderate temperatures in dry, well ventilated area. Store in closed original container at temperatures between 0°C and 30°C. Do NOT use container made of: Copper and its alloys. Galvanised containers.

7.3.Specific end use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1.Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
urea	WEL	No std.		No std.		

WEL = Workplace Exposure Limit.

8.2.Exposure controls

Protective equipment



Process conditions

Provide eyewash station.

Engineering measures

Provide adequate ventilation.

Respiratory equipment

Wear suitable respiratory protection.

Hand protection

Wear protective gloves. Manufactured/tested in accordance with EN 374. Polyvinyl chloride (PVC).

Eye protection

Wear goggles/face shield. Manufactured/Tested in accordance with EN 166.

Other Protection

Wear suitable protective clothing as protection against splashing or contamination.

Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1.Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Colourless.
Odour	Slight odour.
Solubility	Miscible with water
Initial boiling point and boiling range (°C)	103
Relative density	1.09 20 C
pH-Value, Conc. Solution	10
Viscosity	1.4 mPas 25

9.2.Other information

Refractive Index	1.3814 - 1.3843
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SECTION 10: STABILITY AND REACTIVITY10.1.Reactivity

Stable at normal ambient temperature and pressure.

10.2.Chemical stability

Stable under normal temperature conditions and recommended use. Product freezes at -11°C. Product starts to hydrolyse at 30°C.

10.3.Possibility of hazardous reactions10.4.Conditions to avoid

Avoid contact with acids and oxidising substances.

10.5.Incompatible materials

Materials To Avoid

Strong oxidising substances. Nitrites

10.6.Hazardous decomposition products

Ammonia

SECTION 11: TOXICOLOGICAL INFORMATION11.1. Information on toxicological effects

Toxic Dose 1 - LD 50

14300 - 15000 (Urea) mg/kg (oral rat)

Inhalation

Remove from contaminated area. Lay patient down. Keep warm and rested.

Ingestion

Although ingestion is not thought to be harmful, the material may lead to discomforting effects by inducing gastrointestinal tract pain leading to nausea and vomiting. In an occupational setting, ingestion of insignificant quantities should not be a cause for concern.

Skin contact

Product can produce inflammation of the skin following prolonged contact or immersion. Skin contact is not thought to have harmful health effects, the material may still produce adverse effects following entry through wounds, lesions or abrasions, where a stinging sensation will be felt.

Eye contact

Although the material is not classed as an irritant, direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness.

SECTION 12: ECOLOGICAL INFORMATION12.1.Toxicity

LC 50, 96 Hrs, Fish mg/l >6810

12.2.Persistence and degradability

Degradability

The product is biodegradable.

12.3.Bioaccumulative potential12.4.Mobility in soil

Stability in soil: No data available.

12.5.Results of PBT and vPvB assessment

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

12.6.Other adverse effects

Additional ecological information: Slightly water endangering.

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SECTION 13: DISPOSAL CONSIDERATION

General information

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

13.1. Waste treatment methods

Recycle containers wherever possible. This product is not classified as hazardous waste.

SECTION 14: TRANSPORT INFORMATION

14.1.UN number14.2.UN proper shipping name14.3.Transport hazard class(es)

ADR/RID/ADN Class Not classified for transportation.

14.4.Packing group14.5.Environmental hazards14.6.Special precautions for user14.7.Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION

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

Approved Code of Practice

2011 Code of Practice for the Safety Health and Welfare at Work (Chemical Agents) Regulations 2001 (S.I. No 619 of 2001)

EU Legislation

Regulation (EC) No 1272/2008 CLP. Regulation (EC) No 1907/2006 REACH.

15.2.Chemical Safety Assessment

SECTION 16: OTHER INFORMATION

General information

Only trained personnel should use this material.

Information Sources

Manufacturer's Material Safety Data Sheet Approved Supply List

Revision Comments

Additional information on storage.

Issued By	Compliance Department
Revision Date	30/10/2014
Revision	2
Supersedes date	17/10/2013
Safety Data Sheet Status	Approved.
Date	30-Oct-14

Disclaimer

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