

Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Identification of the substance or preparation Identification of the substance or preparation
AdBlue

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

1.3 Närmare upplysningar om den som tillhandahåller säkerhetsdatablad

Produced for Agro Oil
Box 30192
104 25 Stockholm
Sweden
info@agrol.se
www.agrol.se

Supplier Yara AB Industrial
Box 516
216 24 Landskrona
+46 418 76 100
Kundtjanst.industrial@yara.com

1.4 Telefonnummer för nödsituationer
112 (Within EU)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification in accordance with Regulation No. 1272/2008 (CLP)

Not classified/subject to labelling according to (EC) No 1272/2008 [CLP/GHS]. Not classified/subject to labelling according to 67/548/EEC.

2.2 Label elements

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2.3 Other Hazards

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3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Substances

Classification according to 67/548/EEC or 1999/45/EC

Name	EC-no	CAS-no	Weight %	Symbol	R-phraser
Urea	200-315-5	57-13-6	<35	-	-
Water	231-791-2	7732-18-5	<70	-	-

Classification according to Regulation (EC) No 1272/2008 [CLP]

Name	EC-no	CAS-no	Weight %	Classification CLP
Urea	200-315-5	57-13-6	<35	-
Water	231-791-2	7732-18-5	<70	-

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Move the exposed person to fresh air at once.
Ingestion	Drink a few glasses of water or milk. DO NOT INDUCE VOMITING!
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water.
Eye contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart.

4.2 The most important symptoms and effects, both acute and delayed

Ingestion	May cause nausea, headache, dizziness and intoxication.
Skin contact	Prolonged contact may cause redness, irritation and dry skin.
Eye contact	May cause temporary eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Not applicable

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
 Improper extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: Ammoniak.

5.3 Advice for firefighters
Protective equipment for fire-fighters

Wear full protective clothing. Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For personal protection, see section 8. Stop leak if possible without risk.



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6.2 Environmental precautions

Do not discharge into drains, water courses or onto the ground.

6.3 Methods and materials for containment and cleaning up

Dam and absorb spillages with sand, earth or other non-combustible material.

Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

6.4 Reference to other sections

Information om exponering / personligt skydd och avfallshantering finns i avsnitt 8 och 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Keep away from heat, sparks and open flame. Protect against direct sunlight. Avoid eating, drinking and smoking when using the product.

7.2 Conditions for safe storage, including any incompatibilities

Store in a dry place. Store in a closed container. Keep away from heat, sparks and open flame. Store in a cool and well-ventilated place. Do not allow contact with air. Protect from moisture.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

See national legislation

8.2 Exposure controls

Skin protection	For prolonged or repeated skin contact use suitable protective gloves. Nitrile
Respiratory protection	In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment
Eye / face protection	Wear approved chemical safety goggles where eye exposure is reasonably probable.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Fluid
Colour	Colourless
Odour	Odourless
Solubility in water	Soluble in water
pH	9-10
Density	1,09 kg/dm ³ (20 °C)
Boiling point	100 °C
Freezing point	-11 °C
Viscosity, dynamic	1,4 mPa·s, 20 °C

9.2 Other information

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10. STABILITY AND REACTIVITY

10.1 Reactivity

Not applicable

10.2 Chemical stability

Stable under the prescribed storage conditions.

10.3 Possibility of hazardous reactions

Not applicable

10.4 Conditions to avoid

Avoid contact with strong oxidisers. Undvik nitriter. Avoid contact with acids and alkalis.

10.5 Incompatible materials

Not applicable

10.6 Hazardous decomposition products

Not known.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects**Acute Toxicity****Toxicity by ingestion**

LD50 Oral rat: 8471 mg/kg body weight (Urea)

Toxicity by skin contact

LD50 Dermal rat 8200 mg/kg body weight (Urea)

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Name	Result	Species	Exposure
Urea	LC50 Fish: 12000 mg/l	Rasbora heteromorpha	96 h
	EC50 Daphnia 3910 mg/l	D. magna	48 h

12.2 Persistence and degradability

Name	Biological degradability
Urea	96 %, 16 days, OECD 302B

12.3 Bioaccumulative potential

Name	LogPow	BCF



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Urea	-1,56	1
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Will not bio-accumulate.

12.4 Mobility in soil

Not applicable

12.5 Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6 Other adverse effects

No information required.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product not classified as hazardous waste

14. TRANSPORT INFORMATION

14.1 UN-number

Not classified

14.2 UN proper shipping name

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14.3 Transport hazard class(es)

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14.4 Packing group

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14.5 Environmental hazards

No

14.6 Special precautions for user

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

Not applicable.

15. REGULATORY INFORMATION

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

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing



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Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out

16. OTHER INFORMATION

Risk Phrases In Full

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Hazard Statements In Full

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