

Material Safety Data Sheet

UltraGreen Adblue®

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name UltraGreen Adblue®

Trade Name Adblue®/Urea Solution/DEF/AUS32

CAS Number 57-13-6

EC Number 200-315-5

Product Use Reactant in a selective catalytic reduction (SCR) process to reduce NOx-emissions from

diesel engine exhaust system

Supplier Grand Wealthy Holdings Limited

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Emergency 852 2728-7138

2. HAZARDS IDENTIFICATION

Statement of hazardous/dangerous nature: NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance Name	CAS	Proportion
Urea	57-13-6	32.5%
Water	7732-18-5	67.5%

4. FIRST AID MEASURES

Eye Contact Flush eye with plenty of water for at least 15 minutes. Get medial attention if irritation occurs.

Skin Contact Remove contaminated clothing. Flush exposed area with water. Get medical attention if

irritation occurs.

Inhalation If inhaled, remove to fresh air. Get medical attention if irritation occurs.

Ingestion Do not induce vomiting unless directed to do so by medical personnel. Get medical attention

if symptoms occur.

Advice to doctor
Treatment should in general be symptomatic and directed to relieving any effects

General Information: No additional symptoms or effects are anticipated



5. FIRE FIGHTING MEASURES

Not Suitable Do not use water jet

Specific Hazards In case of fire, toxic gases may be formed

Hazardous Decomposition Combustion products may include the following:

Products Carbon monoxide, carbon dioxide, nitrogen oxides, ammonia

For Firefighters

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Provide adequate ventilation

Environmental Precautions Contain spillage with sand, earth or other suitable non-combustible material. Avoid

discharge into drains or watercourses or onto the ground

Methods for Cleaning Up Collect and place in suitable waste disposal containers and seal securely. Flush

contaminated area with plenty of water

Reference to Other Sections For personal protection, see Section 8. For waste disposal, see section 13

7. HANDLING AND STORAGE

Handling Avoid contact with skin and eyes. Put on appropriate personal protective equipment

Storage Keep container tightly closed and in a cool, well-ventilated place. Use properly labelled and

closeable containers. Not suitable for prolonged exposure to elevated temperature

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure No exposure standard allocated

Limits

Biological Limit Values No biological limit allocated

Exposure Control

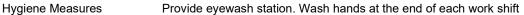
Protective Equipment Chemical resistant gloves, protective goggles

Engineering Control Provide adequate ventilation

Eye/Face Protection Wear safety glasses or full-face shield if splashes are likely to occur

Hand Protection Wear protective gloves if prolonged or repeated contact is likely'

Skin and Body Wear suitable protective clothing as protection against splashing or contamination



and before eating, smoking and using the toilet

Respiratory Protection If ventilation is inadequate, suitable respiratory protection must be worn

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Clear liquid

Color Colorless

Odor Slight odor of ammonia

Vapor Pressure Not available

Vapor Density Not available

PH 9.8-10

Boiling point Not available

Melting point Not available

Density approx. 1.094 kg/m3 @ 20°C

Solubility Soluble in water

Partition Coefficient <1

10. STABILITY AND REACTIVITY

Stability The product is stable

Conditions to Avoid High temperature / Direct sunlight

Materials to Avoid Strong oxidizing agents.

Possibility of No hazardous reactions identified

Hazardous Reaction

Hazardous Decomposition Combustion products may include the following:

Products Carbon monoxide, carbon dioxide, nitrogen oxides, ammonia

11. TOXICOLOGICAL INFORMATION

Eyes No significant health hazards identified

Skin No significant health hazards identified

Inhaled No significant health hazards identified

Ingestion No significant health hazards identified

Acute Oral Toxicity Expected to be of low toxicity: LD50 > 5000 mg/kg, Rat

Acute Dermal Toxicity Expected to be of low toxicity: LD50 > 5000 mg/kg, Rat

Inhaled: Inhalation of vapors or mists may cause irritation

Choric Toxicity No information available

Carcinogenic effects Components are not known to be associated with carcinogenic effects

Mutagenic effects No known significant effects or critical hazards

12. ECOLOGICAL INFORMATION

Acute Toxicity Expected to be practically non-toxic: LC50 (Fish, 48h): >10000mg/L

Mobility Large volumes may penetrate soil and could contaminate

Persistence/Degradability Readily biodegradable

Bioaccumulation Not expected to bioaccumulate significantly.

Other Adverse Effects None known

13. DISPOSAL CONSIDERATIONS

General Information Waste should be treated as controlled waste. Dispose of waste in accordance with

the requirements of local laws and regulations

Disposal methods Recycle containers whenever possible. This product is not classified as hazardous

waste

14. TRANSPORT INFORMATION

General This material is not covered by international regulations on the transport of

dangerous goods (IMDG, IATA, ADR/RID)

Special Precautions Not applicable

For User

15. REGULATORY INFORMATION

National Regulations The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009

(SI 2009 No. 716)

EU Legislation Regulation (EC) No 1272/2008 CLP

Regulation (EC) No 1907/2006 REACH

Guidance Workplace Exposure Limit EH40

Other Regulations

US Inventory (TSCA 8b) All components are listed or exempted



Canada Inventory All components are listed or exempted

Japan Inventory (ENCS) All components are listed or exempted

Korea Inventory (KECI) All components are listed or exempted

Philippines Inventory All components are listed or exempted

(PICCS)

16. OTHER INFORMATION

General Information Only trained personnel should use this material

Issued by Compliance Department

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Revision 5

Supersedes Date 25/10/2015

Risk Phrases in full Not classified

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