



**Material Safety Data Sheet**  
**GIANT ADBLUE**

**Rev: 01**  
**Date: 17/07/2023**

### Section 1: Chemical and Company Identification

Product Name/Identifier           GIANT ADBLUE  
Company Information            Central Auto Parts and Equipment Limited  
  84 Armstrong Street, Palmerston North  
  New Zealand  
Emergency Telephone           (64) 6-3535200  
Fax Number                       (64) 6-3535201

### Section 2: Hazards Identification

This preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : Not classified  
                  No known significant effect or critical hazard

### Section 3: Compositions / Information on Ingredients

Substance/Preparation : Preparation  
Chemical Characterization : Concentrated aqueous solution containing urea

Chemical Identity	CAS#	EINCECS	Concentration *
Water	7732-18-5	231-791-2	68.2 – 66.8
Urea	57-13-6	200-315-5	31.8 – 33.2

There is no ingredient nor additional ingredient present which, within the current knowledge of the supplier and in the concentrations applicable, classified as hazardous to health or the environment and hence requires reporting in this section.

### Section 4: First Aid Measures

Inhalation : Move exposed person to fresh air.  
                  Obtain medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed.

Ingestion : Wash out mouth with water.  
                  If material has been swallowed and the exposed person is conscious, give small quantities of water to drink.

Skin Contact : Wash contaminated skin with soap and water.  
                  Remove contaminated clothing and shoes. Obtain medical attention if persistent irritation occurs.

- Eye Contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
- General : Move the victim to a safe area as soon as possible.  
If unconscious, place in recovery position and seek medical advice. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.  
Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. Allow the victim to rest in a well-ventilated area.
- Protection of First-Aiders : No action shall be taken involving any personal risk or without suitable training.

## Section 5: Fire Fighting Measures

- Suitable Extinguishing Media : Foam, water spray, dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
- Not Suitable : Do not use water in a jet.
- Special Exposure Hazard : In a fire or if heated, a pressure increase will occur and the container may burst.  
Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving personal risk or without suitable training.
- Hazardous Combustion : Decomposition products may include the following product materials: Carbon oxides, Nitrogen oxides, Ammonia, Cyanuric acid.
- Special Protective Equipment for Fire-Fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6: Accidental Release Measures

- General : Avoid contact with spilled or released material.
- Personal Precautions : Provide adequate ventilation. Put on appropriate personal protective equipment (see Section 8).
- Environmental Precautions Contact : Avoid dispersal of spilt material and runoff and with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Large Spill : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Absorb with dry earth, sand or other non-combustible material.  
Contaminated absorbent material may pose the same hazard as the spilled product.  
Note: See Section 1 for emergency contact information and Section 13 for waste disposal.
- Small Spill : Stop leak if without risk. Move containers from spill area. Absorb with liquid-binding material (sand, diatomite, universal binders, etc.) or use a spill kit.

## Section 7: Handling and Storage

- Handling : Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Provide adequate ventilation.
- Storage Ready : Keep container tightly closed and sealed until for use. Use appropriate containment to avoid environmental contamination. Store away from incompatible materials (see Section 10). Keep away from food, drink and animal feeding stuffs.
- Packaging Materials Recommended : Use original container – high density polyethylene, stainless steel.
- Unsuitable Materials : Non-ferrous metals.

## Section 8: Exposure Controls / Personal Protection

Exposure Limit Values	: No exposure limit value known.
Recommended Monitoring	: If this product contains ingredients with exposure limits, personal, workplace atmosphere
Procedures	or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.
Hand Protection	: Use chemical-resistant, impervious gloves. Personal hygiene is a key element of effective hand care. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended.
Eye Protection	: Use safety eyewear designed to protect against splash of liquids.
Skin Protection	: Avoid contact with skin. Wear suitable protective clothing.
Environmental Exposure Equipment	: Emissions from ventilation or work process should be checked to ensure they comply with the requirements of environmental protection legislation.

## Section 9: Physical and Chemical Properties

### General Information

Physical State	: Liquid
Colour	: Colourless
Odour	: Ammonia
pH	: 8.0 – 11.0
Density	: 1.090 g/cm <sup>3</sup> [20 °C]
Viscosity	: Dynamic 1.4 mPa·s (1.4 cP) [25 °C]
Melting Point	: -11.5 °C
Boiling Point	: 103 °C
Solubility	: Easily soluble in the following materials: Cold water and hot water.

## Section 10: Stability and Reactivity

Stability	: The product is stable. Under normal conditions of storage and use, hazardous polymerisation will not occur.
Conditions to Avoid	: Extremes of temperature and direct sunlight.
Materials to Avoid	: Strong oxidizing agents.
Hazardous Decomposition	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11: Toxicological Information

### Potential Acute Health Effects

Inhalation	: Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Skin	: Not expected to be a hazard.
Eye	: Not expected to be a hazard.
Carcinogenicity	: Components are not known to be associated with carcinogenic effects.

### Potential Chronic Health Effects

No known significant effects or critical hazard.

### Over-Exposure Signs/Symptoms

No specific data.

## Section 12: Ecological Information

Environmental Effects	: The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.
Aquatic Ecotoxicity Conclusion/Summary	: Practically non-toxic to aquatic organisms.
Biodegradability Conclusion/ Summary	: Readily biodegradable.
Mobility	: Large volumes may penetrate soil and could contaminate groundwater.

## Section 13: Disposal Considerations

Methods of Disposal	: Disposal of this product, solutions and any by-product should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Do not dispose into the environment, in drains or in water courses. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.
Hazardous Waste	: Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU directive 91/689/EEC.

## Section 14: Transport Information

### 14.1

UN Number	: Not applicable
Dangerous Good Class	: Not applicable
Proper Shipping Name	: Not applicable
Hazchem Code	: Not applicable
Additional Information	: None determined

### 14.2 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

### 14.3 Transport IMDG

The product is not subject to IMDG regulations.

### 14.4 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

## Section 15: Regulatory Information

**Classification and labelling have been determined according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and take into account the intended product use.**

Risk Phrases	: This product is not classified according to EU legislation.
Product Use	: Industrial applications.
Europe Inventory	: Europe inventory. All components are listed or exempted.
Chemical Inventory Status AICS	: All components are listed or exempt

## Section 16: Other Information

Department Issuing Data Sheet : Start First Pte Ltd  
Original Issue Date : 1 March 2016  
Revision No. : 01  
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The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties.

Recipients of our products must take responsibility for observing existing laws and regulations.