

# Safety Data Sheet

## 1. Identification of Material and Supplier

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<b>Product Name:</b>	AdBlue® - Diesel Exhaust Fluid
<b>SDS BULK no:</b>	85113349BULK
<b>SDS Packaged:</b>	85113349IBC
<b>Product Use:</b>	Diesel exhaust fluid for SCR systems emission reduction.
<b>Supplier:</b>	CMV Truck & Bus PTY LTD 392 Boundary Road Derrimut VIC 3030 ACN – 007 658 451
<b>Emergency Telephone:</b>	03 9931 6000

For product information contact CMV AdBLUE on 03 99316000 including after hours.

## 2. Hazard Identification

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Non - hazardous chemical - substance.

Based on Safe Work Australia this substance is not classified as hazardous.

## 3. Composition \ Information on Ingredients

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Chemical nature

Urea content 32.5% - water content 67.5%

This product does not contain any hazardous ingredients at or above regulated thresholds.

## 4. First – Aid Measures

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<b>Contact with Eyes:</b>	Wash \ flush eyes with open eyelids with clean water for at least 15 minutes.
<b>Contact with Skin:</b>	Wash thoroughly with soapy water.
<b>Inhalation:</b>	Keep patient calm and move to fresh air area.
<b>Ingestion:</b>	Rinse mouth with clean water and drink plenty of water – DO NOT INDUCE VOMITING.
<b>Note to Doctor:</b>	Treatment should be generally symptomatic and directing to relieving effects.

## 5. Fire Fighting Measures

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<b>Hazchem Code:</b>	Not applicable.
<b>Suitable Extinguishing Media:</b>	Water spray, alcohol resistant or normal foam, carbon dioxide, dry powder.

## 6. Accidental Release Measures

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<b>Personal Precautions:</b>	Handle in accordance with good industrial safety hygiene practices. Avoid inhalation (See section 8)
<b>Small Spills:</b>	Stop leak if safe to do so. For small spills rinse away with water and dispose of absorbent material in accordance with regulations.
<b>Large Spills:</b>	Stop leak if safe to do so, and move containers from area. Contain and collect spillage with appropriate absorbent material eg. Sand, earth, vermiculite or diatomaceous earth and place in container for proper disposal according to regulations.

## 7. Handling and Storage

<b>Handling:</b>	No special measures necessary provided product is used correctly.
<b>Storage:</b>	Store in a dry cool well ventilated place away from sunlight. Store away from foodstuffs. Store away from sources of heat and or ignition. Keep containers closed when not in use. Check regularly for leaks. Storage optimal temperature: 25° C. Storage duration: 18 months
<b>Suitable Containers:</b>	High density polyethylene (HDPE), Low density polyethylene (LDPE), Stainless steel.
<b>Unsuitable Materials:</b>	Paper \ Fibreboard, iron, tinned carbon steel (tinplate), Copper, aluminium, Glass, Brass, Galvanized carbon steel (Zinc).
<b>Not Suitable:</b>	Prolonged exposure to elevated temperatures above 35 °C

## 8. Exposure Controls \ Personal Protection

<b>Occupational Exposure Limits:</b>	No value assigned for this specific material by Safe Work Australia.
<b>Biological Limit Value:</b>	No Biological limit allocated by Safe Work Australia.
<b>Exposure Controls</b>	
<b>Hand Protection:</b>	Wear protective gloves of suitable nature eg: chemical resistant if prolonged skin contact is likely.
<b>Eye Protection:</b>	Tightly fitting goggles with side shields.
<b>Body Protection:</b>	Rubber boots, overalls.
<b>Hygiene Measures:</b>	Handle in accordance with good industrial hygiene and safety practices.

## 9. Physical and Chemical Properties

<b>Form:</b>	Liquid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Faint specific odour, ammonia-like
<b>pH Value:</b>	9-10 (20 °C)
<b>PKA:</b>	0.1 (21°C)
<b>Boiling Point Range:</b>	approx., 100 °C (1,013 bar)
<b>Solidification Temp:</b>	-11 °C
<b>Melting Point Range:</b>	Not available
<b>Flammability:</b>	Not flammable
<b>Flash Point:</b>	No flash point – Measurement made up to the boiling point
<b>Self- Heating Ability:</b>	It is not a substance capable of spontaneous heating
<b>Explosion Hazard:</b>	Not explosive
<b>Vapour Pressure:</b>	23 mbar (20 °C)
<b>Density:</b>	1.087 – 1.093 g/m <sup>3</sup> at 20 °C (ISO 2811-3)
<b>Solubility:</b>	Soluble in water (15°C)
<b>Viscosity Dynamic:</b>	0.5 mPa.s (20 °C, 313 1/s)
<b>Solids Content:</b>	Approx.. 32.5%

## 10. Stability and Reactivity

<b>Conditions to Avoid:</b>	Avoid prolonged exposure to heat above 35 °C
<b>Stability:</b>	The product is stable
<b>Substances to Avoid:</b>	Nitrates, strong oxidizing agents or any contamination with metals, dust and organic materials
<b>Hazardous Decomposition Products:</b>	Ammonia

## 11. Toxicological Information

<b>Eyes:</b>	No significant health hazard identified
<b>Skin:</b>	No significant health hazard identified
<b>Inhalation::</b>	No significant health hazard identified
<b>Ingestion:</b>	No significant health hazard identified
<b>Acute Toxicity:</b>	Unlikely to cause more than transient stinging or redness if accidental eye contact occurs. Unlikely to cause harm to the skin on brief occasional contact but prolonged or repeated exposure may lead to dermatitis. Unlikely to cause harm if swallowed in small doses, though larger quantities may cause nausea or diarrhoea. At normal ambient temperatures this product will be unlikely to present an inhalation hazard because of its low volatility. May be harmful by inhalation if exposure to vapour, mist or fumes resulting from thermal decomposition.
<b>Chronic Toxicity</b>	
<b>Other chronic toxicity data:</b>	Overexposure to the inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.
<b>Carcinogenic effects:</b>	No component of this product at levels greater than or equal to 0.1% is identified as a carcinogen by ACGIH, the International Agency for Research on Cancer (IARC), the European Commission (EC), or the National Occupational Health and Safety Commission (Australia).
<b>Mutagenic effects:</b>	No known significant effects or critical hazards.

## 12. Ecological Information

<b>Eco Toxicity:</b>	No classified as environmental hazardous in accordance with the "Approved Criteria for Classifying Hazardous Substances" [NOHSC (1008) 2004 as amended and adapted].
<b>Persistence &amp; Degradability:</b>	Assessment biodegradation and elimination (H2O): Readily biodegradable (according to OECD criteria). Expected to be degradable.
<b>Bio Accumulative Potential:</b>	Significant accumulation in organisms is not expected.
<b>Mobility:</b>	Soluble in water, absorption to solid soil phase is not expected.

## 13. Disposal Consideration

<b>Contaminated Packaging:</b>	Contaminated packaging should be emptied as far as possible; then passed on for recycling after being thoroughly cleaned.
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## 14. Transport Information

<b>Domestic transport:</b>	Not classified as a dangerous goods under transport regulations (ADG, IMDG, ICAO/IATA)
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## 15. Regulatory Information

<b>Poison schedule:</b>	Not scheduled
<b>Other regulations:</b>	AICS, AU – Released \ listed

## 16. Other Information

<b>Recommended use:</b>	Chemical
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