

IDENTIFICATION

Product Identifier: AZZURRI ADBLUE

Product Code: FL1334

Recommended use of chemical and restrictions on use: Diesel Exhaust Fluid (DEF) for Selective Catalytic Reduction (SCR), previously marketed as Airshield DEF.

HAZARD IDENTIFICATION

GHS Classification: According to Safe Work Australia GHS 7 criteria, this material is not classified as hazardous.

General Statement: Keep out of reach of children. Read label before use.

Dangerous Good Classification: Not classified as Dangerous Goods under the Australian Code for the Transport of Dangerous Goods by Road and Rail or the New Zealand Standard NZS5433: Transport of Dangerous Goods on Land.

FIRST AID:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before use.

INHALATION: Move the affected person to fresh air and avoid becoming a casualty. Remove contaminated clothing and loosen remaining garments. Allow the person to rest in the most comfortable position and keep warm. Seek medical attention if symptoms persist.

INGESTION: Do not induce vomiting. Rinse the mouth thoroughly with water. Provide water to drink. Never give anything by mouth to an unconscious individual. If vomiting occurs, provide additional water. Seek medical attention immediately.

ADVICE TO DOCTOR: Treat symptomatically. Show this SDS to the medical practitioner.

FIRST AID MEASURE: Wear safety shoes, overalls, gloves, and safety glasses. Nitrile rubber gloves are generally suitable for intermittent contact; however, glove selection should consider local conditions and manufacturer specifications. Wash hands thoroughly before eating, drinking, smoking, or using the toilet. Launder contaminated clothing and clean protective equipment before reuse.

STORAGE & DISPOSAL: Dispose of contents in accordance with local regulations.

If poisoning occurs: Contact a doctor or the Poisons Information Centre (Australia: 131 126, New Zealand: 0800 764 766).

INGREDIENTS

NAME	CAS NUMBER	PROPORTION
Urea	57-13-6	30-40 %
Water and ingredients determined to be non-hazardous at concentrations present to 100%		Balance

FIRE-FIGHTING MEASURES

Fire Hazard: Non-flammable liquid. However, once the water component evaporates, the remaining material may be combustible.

Extinguishing Media: Use extinguishing media suitable for surrounding fire conditions. Recommended options include carbon dioxide (CO₂), water fog, foam, or fine water spray.

Hazards from Combustion Products: Avoid contact with oxidising agents (e.g. nitrates, oxidising acids, chlorine-based bleaches), as this may result in a fire or explosion hazard. Decomposes when heated, potentially releasing toxic fumes including carbon dioxide, nitrogen oxides, and other typical combustion products of organic materials.

Specific Methods: Keep containers cool using water spray. Firefighters should wear self-contained breathing apparatus and appropriate protective clothing if there is a risk of exposure to vapours or combustion products.

ACCIDENTAL RELEASE MEASURES

Specific Hazards: Non-combustible material.

Emergency Procedures: If material is involved in a fire, use water fog (or fine water spray if unavailable), alcohol-resistant foam, standard foam, carbon dioxide, or dry chemical powder.

Spills & Disposal: For small spills, wear appropriate protective equipment to prevent skin and eye contact and avoid inhaling vapours or dust. Wipe up the spill using absorbent material such as a clean rag or paper towels, then collect and seal the waste in properly labelled containers or drums for disposal. For large spills, clear the area of all unprotected personnel as the material can be slippery when spilt. Take care to prevent accidents and clean up immediately while wearing protective equipment to avoid skin and eye contact and inhalation of vapours. Work upwind or increase ventilation, contain the spill to prevent runoff into drains and waterways, and use absorbent material such as soil, sand, or other inert substances. Collect and seal the waste in properly labelled containers or drums for disposal. If contamination of crops, sewers, or waterways occurs, notify local emergency services.

HANDLING AND STORAGE

Handling: Avoid skin and eye contact with the concentrated product. Limit prolonged or repeated skin exposure. Wear appropriate protective clothing when exposure is possible. Do not eat, drink, or smoke while handling the product. Wash hands thoroughly with soap and water after use.

Storage: Store in a cool, dry, and well-ventilated area away from direct sunlight, foodstuffs, and incompatible materials listed in Section 10. Keep away from sources of heat or ignition. Ensure containers remain upright and tightly closed when not in use, and check regularly for leaks.

EXPOSURE CONTROLS & PERSONAL PROTECTION

Occupational exposure limit values: No value assigned for this material by Safe Work Australia.

Appropriate Engineering Controls: Natural ventilation should be adequate under normal use conditions.

Personal Protective Equipment: OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES.

Hygiene Measures: Keep away from food, drinks, and animal feed. Do not eat, drink, or smoke while handling the product. Wash hands thoroughly before breaks and after handling. Remove contaminated clothing promptly. Ensure eyewash stations and safety showers are accessible near the work area.

STABILITY & REACTIVITY

This product remains stable under normal conditions of temperature and pressure when stored and handled as recommended. Avoid exposure to high temperatures and sources of ignition. Incompatible with oxidising agents. Thermal decomposition may release carbon and nitrogen oxides, smoke, and other harmful fumes. No hazardous reactions are known under normal use.

TOXICOLOGICAL INFORMATION

When used as directed, this product is not expected to cause adverse health effects. Direct contact may irritate the skin, and eye exposure can cause temporary discomfort such as stinging or tearing. Swallowing may lead to nausea or vomiting, and inhalation of vapour or mist may irritate the respiratory tract. Acute toxicity estimates based on ingredients: LD50 (oral) > 2,000 mg/kg body weight; LD50 (dermal) > 2,000 mg/kg body weight; LC50 (inhalation) > 20 mg/L for vapours or > 5 mg/L for dust and mist. The product is not considered corrosive, sensitising, or harmful to organs, and no long-term health effects are anticipated.

ECOLOGICAL INFORMATION

The product is not classified as hazardous to aquatic life. Acute toxicity estimates based on ingredients indicate LC50 > 100 mg/L, and it is also considered non-hazardous for long-term aquatic exposure. No data is available on ecotoxicity, persistence, degradability, bioaccumulation, or mobility. To protect the environment, avoid releasing the product directly into waterways.

DISPOSAL INFORMATION

Dispose of material and containers in accordance with local, regional, and national regulations. Do not allow product to enter drains, waterways, or areas where it may affect ground or surface water. Where possible, recycle the material and its container. If recycling is not feasible, ensure disposal complies with all applicable regulations.

The information contained herein is subject to change without notification. Typical properties may vary.