

AUTOSELL

MATERIAL SAFETY DATA SHEET

MAC BLUE DIESEL/CARBON EXHAUST FLUID 30%

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: Mac diesel/Carbon exhaust fluid 30%

Product use: Reactant for reducing NOx-emissions

2 HAZARDS IDENTIFICATION

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

Dangerous nature

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL ENTITY	CAS NO.	PROPORTION
AQUA	7732-18-5	70.0%
CARBAMIDE (urea)	57-13-6	30.0%

4. FIRST AID MEASURES

Eye contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Skin contact

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if irritation develops.

Inhalation

If inhaled, remove to fresh air. Get medical attention if symptoms appear. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable In case of fire, use foam, dry chemical or carbon dioxide extinguisher or spray.

Not suitable do not use water jet.

Hazardous decomposition

Products Combustion products may include the following carbon oxides (CO, CO₂) (carbon monoxide, carbon dioxide) nitrogen oxides.

Unusual fire/explosion hazards

In a fire or if heated, a pressure increase will occur and the container may burst.

Special fire-fighting

No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.

Protection of 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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment (see Section 8).

Environmental precautions

Avoid dispersal of spilt material and runoff and contact 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. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.

Small spill

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if watersoluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

7. HANDLING AND STORAGE

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if watersoluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Handling Put on appropriate personal protective equipment

Storage Store and use only in equipment/containers designed for use with this product. Keep away from heat and direct sunlight. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Store in accordance with local regulations. Store in a dry, cool and well ventilated area, away from incompatible materials (see Section 10).

Not suitable Prolonged exposure to elevated temperature.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits	No exposure standard allocated
Biological Limit Values	No biological limit allocated.
Exposure controls	

Occupational exposure controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location. Hygiene measures.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection

Respiratory protective equipment is not normally required where there is adequate natural or local exhaust ventilation to control exposure.

Skin and body

Use of protective clothing is good industrial practice.

Hand protection

Wear protective gloves if prolonged or repeated contact is likely.

Eye protection Safety glasses with side shields.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Liquid.
Odour	: Ammoniacal. [Slight]
Boiling point / range	: Not available
. Melting point / range	: Not available.
Density	: 1094 kg/m ³ (1.094 g/cm ³) at 20°C
pH	: 9.5
Vapour density	: Not available.
Vapour pressure	: Not available.
Solubility	: Soluble in water.
Gravity	
Partition coefficient <1	

10. STABILITY AND REACTIVITY

Stability The product is stable

Conditions to avoid Avoid contamination by any source including metals, dust and organic materials.

Incompatibility with various Substances/Hazardous

Reactions No hazardous reactions identified.

11. TOXICOLOGICAL INFORMATION

Eyes No significant health hazards identified.

Skin No significant health hazards identified

Inhalation No significant health hazards identified.

Ingestion Ingestion of large quantities may cause nausea and diarrhea

Acute toxicity Unlikely to cause more than transient stinging or redness if accidental eye contact occurs.

12. ECOLOGICAL INFORMATION

Eco toxicity

Not classified as environmentally hazardous in accordance with the 'Approved Criteria for Classifying Hazardous Substances' [NOHSC (1008)/2004 as amended and adapted]

Persistence/degradability Expected to be biodegradable.

Mobility Soluble in water.

Bio accumulative potential

This product is not expected to bio accumulate through food chains in the environment.

13. DISPOSAL CONSIDERATIONS

Disposal considerations / Waste information

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

14. TRANSPORT INFORMATION

International transport regulations

Not classified as dangerous for transport (ADG, IMDG, ICAO/IATA).

Special precautions for user

No known special precautions required. See Section: "Handling and storage" for additional information.

15. REGULATORY INFORMATION

Standard Uniform Schedule of Medicine and Poisons

Not regulated.

Control of Scheduled Carcinogenic Substances

16. OTHER INFORMATION

Key to abbreviations

NOHSC = National Occupational Health & Safety Commission, Australia

TWA = Time weighted average

STEL = Short term exposure limit UN Number = United Nations Number, a four digit number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods.

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