

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: All Purpose Powder

Recommended Use: Cleaning & removal of oil, grease and general grime from hard services and Aluminium Filters

Supplier: Midland Chemicals
ABN: 91 622 018 986

Street Address: 18 Elliott Street
Midvale
Western Australia

Telephone Number: +61 08 9274 1992

Facsimile: +61 08 9250 1710

Emergency Telephone: **1 800 033 111 (ALL HOURS)**

2. HAZARDS IDENTIFICATION

Hazardous to criteria of Safe work Australia

Road and Rail; DANGEROUS GOODS.

Risk Phrases: R36/37/38: Irritating to eyes, respiratory system and skin.

Safety Phrases: S24/25: Avoid contact with skin and eyes.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37: Wear suitable protective clothing, gloves and eye/face protection.
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible).

Poisons Schedule: 5

Packaging group number: III

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion	Risk Phrases
Alkaline Salts	497-19-8	90%	
Biodegradable Surfactants		7%	
Sulphonic Acid		3%	

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4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor at once.

Inhalation:

Remove victim from exposure – avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice.

Skin Contact:

Remove all contaminated clothing and wash affected area with plenty of soap and water.

Eye Contact:

Flush eyes with copious amounts of water for at least 15 minutes. Seek medical attention.

Ingestion:

Do not induce vomiting. Give large quantities of water to drink. If vomiting give more water and seek medical advice.

Medical attention and special treatment:

Treat the same as alkaline salts

5. FIRE FIGHTING MEASURES

Hazards from combustion products:

Non-combustible material

Precautions for fire fighters and special protective equipment:

Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition. Keep containers cool with water spray.

Suitable Extinguishing Media:

Not combustible, however, if material is involved in a fire, use: Fine water spray, dry agent (carbon dioxide, chemical foam)

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures:

Clear area of all unprotected personnel. If heavy concentration of contamination of sewers or waterways has occurred advise local emergency services, or Environmental Protection Authority.

Methods and materials for containment and clean up:

Contain spillage using sand and earth and neutralise with citric acid, prevent runoff into drains. Use absorbent. Collect and seal in properly labelled drums

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7. HANDLING AND STORAGE

This material must be stored, maintained and used in accordance with the relevant regulations.

Conditions for safe storage:

Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Store away from foodstuffs. Keep containers closed when not in use - check regularly for leaks.

Precautions for safe handling:

Avoid skin and eye contact and breathing in vapour, mists and aerosols.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

Minimisation of exposure should be put into practice at all times. Work Safe recommends TWA 3 ppm 2.6 mg/m³ peak limitation.

Engineering controls:

If used in enclosed area then provide adequate general (dilution) and local exhaust ventilation. It is advisable to use only in a well ventilated area, to minimise exposure. Ensure ventilation is adequate to maintain air concentrations below exposure standards

Personal Protective Equipment:

Wear chemical goggles, wear chemical gloves and appropriate personal protection such as respiratory filters and breathing apparatus. (To avoid breathing vapours). Wear protective overalls. Wear appropriate personal protection such as:- Chemical goggles, PVC gloves, PVC boots, PVC Overalls. To avoid breathing vapours wear full face respiratory breathing apparatus respirators that comply to A.S. 1716 and use in accordance with A.S. 1715 requirements with organic vapour, acid gas, filters.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: white powder slight odour

Colour: white

Solubility: Miscible in water.

Specific Gravity: powder

Relative Vapour Density (air=1): Not available

Vapour Pressure (20 °C): Not available

Flash Point (°C): Not applicable

Flammability Limits (%): Not flammable

Auto Ignition Temperature (°C): Not applicable

Boiling Point/Range (°C): Not Applicable

pH: 3.2 @ 1% solution

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10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Conditions to avoid:	Store in a cool dry place and out of direct sunlight, away from alkali's, foodstuffs and oxidising materials. Store away from acids. Normal good handling and storage procedures apply.
Incompatible materials:	Incompatible with strong oxidising agents.
Hazardous decomposition products:	None known
Hazardous reactions:	None known.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion:	Can lead to severe burning and/or perforation of the digestion system.
Eye contact:	Contact with eyes even for short periods can cause blindness.
Skin contact:	Severe irritant may cause skin burns, can be absorbed through the skin with toxic effects.
Inhalation:	Strong irritant and corrosive. Can result in nausea, vomiting, abdominal pain, diarrhoea, and stupor, progressing to tremors, convulsions, collapse, difficulty in breathing, and respiratory cardiac failure
Short term Effects:	Short term effects by all routes is considered to be toxic. Risk of Calcium Depletion and Skin Burns. Toxic by inhalation, contact with skin, or Swallowed
Long Term Effects:	No information available for the product.
Toxicological Data:	No LD50 data available for the product.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Avoid contaminating waterways
Persistence and degradability	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise The product itself and its products of degradation are not toxic.

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13. DISPOSAL CONSIDERATIONS

Disposal methods: Dispose of in accordance with all local, state and federal regulations.
All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.

14. TRANSPORT INFORMATION

Road and Rail Transport

classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; DANGEROUS GOODS.

UN No: 1759 N.O.S

Class-Primary: 8 corrosive

Packing Group: III

Proper Shipping Name: All Purpose Powder

Hazchem Code: 2X

Marine Transport

classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.

UN No: 1759 N.O.S

Class-Primary: 8 corrosive

Packing Group: III

Proper Shipping Name: All Purpose Powder

Hazchem Code: 2X

Air Transport

classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; DANGEROUS GOODS.

UN No: 1759 N.O.S

Class-Primary: 8 corrosive

Packing Group: III

Proper Shipping Name: All Purpose Powder

Hazchem Code: 2X

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15. REGULATORY INFORMATION

Classification: Hazardous according to criteria of Safe work Australia; HAZARDOUS SUBSTANCE

Hazard Category: C: Corrosive

Risk Phrases: R36/37/38: Irritating to eyes, respiratory system and skin.

Safety Phrases: S24/25: Avoid contact with skin and eyes.

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Poisons Schedule: S5

16. OTHER INFORMATION

This material safety data sheet has been prepared by Midland Chemicals

This MSDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Midland Chemicals cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact Midland Chemicals at the contact details on page 1.

Midland Chemical's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.