

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Borax

Recommended Use: Cleaning preparations, detergents

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 according to criteria of Safe work Australia

Road and Rail; DANGEROUS GOODS.

Risk Phrases: Harmful if swallowed. Risk of damage to eyes.

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

Poisons Schedule: 5

Packaging group number: N/A

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion	Risk Phrases
Borax Decahydrate	1303-96-4	100%	

MATERIAL SAFETY DATA SHEET

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 to fresh air, ensure breathing can be maximised by removing any clothing that maybe obstructing mouth or throat.

Skin Contact:

If spilt on large areas of skin or hair, immediately drench with running water and remove clothing. Continue to wash skin and hair with plenty of water (and soap if material is insoluble) until advised to stop by the Poisons Information Centre or a Doctor. Seek immediate medical assistance. .

Eye Contact:

Immediately wash in and around the eye area with large amounts of water for at least 15 minutes. Eyelids to be held apart. Remove clothing if contaminated and wash skin. Seek medical assistance.

Ingestion:

If more than 15 min from hospital induce vomiting preferably using Ipecac Syrup A.P.F.

Medical attention and special treatment:

Treat symptomatically.

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:

Wear protective equipment to prevent skin and eye contact. Slippery when spilt. Avoid accidents, clean up immediately.

Contain - prevent large concentration run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. Wash area down with excess water.

MATERIAL SAFETY DATA SHEET

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

No standard set, but if used in its concentrated form, then minimum exposure should be adhered to for Sodium Hydroxide. Safe Work Australia recommends 2mg/m³ peak limitation.

Engineering controls:

Use in well ventilated areas. Keep containers closed when not in use.

Personal Protective Equipment:

Gloves and safety glasses recommended should comply with Australian Standards or equivalent approved by a Commonwealth, State or Territory Authority. Respirators should comply with Australian Standard AS1716 Respiratory Protective Devices or an equivalent approved by a State or Territory authority and should be used in accordance with Australian Standard AS1715 Selection, Use and Maintenance of Respiratory Protective Devices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: powder/granules

Colour: White

Solubility: Miscible in water.

Specific Gravity: 1.73

Relative Vapour Density (air=1): Not available

Vapour Pressure (20 °C): Not available

Flash Point (°C): N/A

Flammability Limits (%): Not applicable

Auto Ignition Temperature (°C): N/A

Boiling Point/Range (°C): N/A

pH: 9.8 @ 1% solution

MATERIAL SAFETY DATA SHEET

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 away from other chemicals, especially Acids.
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:	Considered to be practically non-harmful by ingestion. Ingestion of Large doses of this chemical cause severe gastrointestinal irritation, Kidney injury may result in death from CNS depression. Oral LDLO = 709 mg/kg (Human)
Eye contact:	may lead to irritation
Skin contact:	may lead to irritation
Inhalation:	Inhalation of dust may result in respiratory irritation
Long Term Effects:	repeated or prolonged skin contact may lead to dermatitis effects. Prolonged occupational exposure to dust can lead to cough, nose bleeds and shortness of breath and inhalation can lead to minor respiratory ailments.
Toxicological Data:	No LD50 data available for the product.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Avoid contaminating waterways with heavy concentration.
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

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.
--------------------------	---

MATERIAL SAFETY DATA SHEET

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: N/A

Class-Primary:

Packing Group:

Proper Shipping Name: Heavy Duty Multi Cleaner (HDMC)

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: N/A

Class-Primary:

Packing Group:

Proper Shipping Name: Heavy Duty Multi Cleaner (HDMC)

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: N/A

Class-Primary:

Packing Group:

Proper Shipping Name: Heavy Duty Multi Cleaner (HDMC)

Hazchem Code: 2X

15. REGULATORY INFORMATION

Classification:	Hazardous according to criteria of Safe work Australia; HAZARDOUS SUBSTANCE
Hazard Category:	C: Corrosive
Risk Phrase(s):	R36: Irritating to Eyes R37: Irritating to respiratory system R38: Irritating to Skin.
Safety Phrase(s):	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. S36/37/39: 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:	S6

MATERIAL SAFETY DATA SHEET

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.