

POWER

Section 1. Identification

Product identifier: Power Product Code: POWRP/POWRBG
 Other means of identification: N/A
 Recommended use and restrictions on use: Laundry powder. Use in accordance with directions on product label.
 Supplier: True Blue Chemicals
 Street Address: 2/1 Endeavour Road Postal Address: PO Box 334
 Caringbah NSW 2229 Caringbah NSW 1495
 Phone No: 1800 635 746 Fax No: 02 9540 1983
 Internet: www.truebluechemicals.com.au

Emergency Phone No - 13 11 26 - Poisons Information Centre

Section 2. Hazards Identification

Classified as hazardous according to the criteria of Safe Work Australia (SWA).

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail, Edition 7.3.

GHS Classification

Skin corrosion/Irritation - Category 1C

Signal Word

DANGER

Hazard Statements

Causes severe skin burns and eye damage

Pictograms



Precautionary Statements

Wash hands thoroughly after handling.

Wear protective gloves, protective clothing, and eye/face protection.

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Immediately call the POISONS INFORMATION CENTRE (13 11 26 Australia only).

Store locked up.

Dispose of contents in accordance with State Legislations.

Section 3. Composition and Information on Ingredients

Chemical Name	CAS Number	Percentage (%)
Sodium metasilicate	10213-79-3	1-10
Other ingredients determined not to be hazardous or below concentration cut-off		to 100

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Section 4. First Aid Measures

- Swallowed:** DO NOT induce vomiting. Give plenty of water to drink. Get medical attention.
- Eye Contact:** Rinse with plenty of water for at least 15 minutes holding eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms persist seek medical attention.
- Skin Contact:** Wash skin with plenty of water. If skin irritation persists, seek medical attention. Remove contaminated clothing and wash before reuse.
- Inhalation:** Move victim to fresh air, if symptoms develop, seek medical advice.
- Symptoms caused by exposure:** May experience burning sensation, shortness of breath, headache, nausea and vomiting.
- Medical attention and special treatment:** No specific treatment. Treat symptomatically.

Section 5. Fire Fighting Measures

- Suitable extinguishing equipment:**
Dry chemical, CO₂ or water spray.
- Specific hazards arising from the chemical:**
Carbon dioxide, carbon monoxide, oxides of ammonia & other toxic gases may be produced in the case of fire.
- Special protective equipment and precautions for fire fighters:**
Firefighters should wear full protective clothing including self-contained breathing apparatus & chemical splash suit. Remove from the vicinity containers not involved in the fire.

Section 6. Accidental Release Measures

- Personal precautions, protective equipment and emergency procedures:**
Clean up spill promptly to avoid accidents. Wear protective equipment (see Section 8) to prevent skin & eye contamination & inhalation of dusts. Stop spill if safe to do so. Ensure adequate ventilation.
- Environmental precautions:**
Ensure no spillage enters drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority or local Council.
- Methods and materials for containment and cleaning up:**
Cover with damp absorbent material (inert material, sand or soil). Sweep up, but avoid generating dust. Collect & seal in properly labeled drums for disposal.

Section 7. Handling and Storage

- Precautions for safe handling:**
Observe good personal hygiene practices and recommended procedures. Wash hands thoroughly after handling. Avoid contact with eyes, skin and clothing.
- Conditions for safe storage, including incompatibilities**
Store in a cool, dry, well-ventilated place & out of direct sunlight. Store away from strong acids & moisture. Keep containers closed at all times - check regularly for spills.

Section 8. Exposure Controls and Personal Protection

- National Exposure Standards:** None of the components have an established Occupational Exposure Limit. (Source: Safe Work Australia - Workplace Exposure Standards for Airborne Contaminants 2013)
- Engineering Controls:**
Natural ventilation should be adequate under normal use conditions. Avoid generating and inhaling mists and vapours. Keep containers closed when not in use.
- Individual Protection Measures:**
- Eye and face protection** Safety glasses should be worn to prevent eye contact.
- Skin protection** Wear nitrile, neoprene or natural rubber gloves to prevent skin contact.

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Respiratory protection	Not normally needed. If significant vapours or mists are generated, use an appropriate respirator in accordance with AS/NZS 1715 and AS/NZS 1716.
Thermal hazards	Refer to Section 5.

Section 9. Physical and Chemical Properties

Appearance:	Powder	Colour:	Blue
Odour:	Lemon	Boiling Point(°C):	Not available
Vapour Pressure:	Not available	Specific Gravity:	Not applicable
Flashpoint (°C):	Not available	Flammability:	Not flammable
Water Solubility:	Complete	pH (1% solution):	9.0 - 10.0
Auto-ignition Temperature:	Not available	Viscosity:	Not available
Relative Density:	Not available	Evaporation Rate:	Not available
Vapour Pressure	Not available	Melting Point/Freezing Point	Not available
Partition Coefficient: n-octanol/water	Not available	Upper/Lower Flammability or Explosive Limits:	Not available

Section 10. Stability and Reactivity

Reactivity: Not reactive

Chemical Stability: Stable under normal ambient storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Conditions to Avoid: Avoid direct sunlight and high temperatures (store below 30°C). Protect against physical damage.

Incompatible Materials: Do not mix with other chemicals. Store away from acids and strong oxidisers.

Hazardous Decomposition Products: Oxides of ammonium, oxides of carbon, hydrogen gas.

Section 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 that may arise if the product is mishandled and over exposure occurs are:

Information on Route of Exposure

Acute Toxicity:

Ingestion: Swallowing in small amounts is unlikely to cause any adverse effects. Larger doses may cause nausea and vomiting.

Eye Contact: No effects known.

Skin Contact: No effects known.

Inhalation: In large amounts can cause headache, nausea and mucous membrane irritation.

Skin Corrosion/Irritation: Corrosive to skin.

Serious Eye Damage/Irritation: Corrosive to eyes.

Respiratory or Skin Sensitisation: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive Toxicity: Not classified

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Specific Target Organ Toxicity (STOT) - Single Exposure:	Not classified
Specific Target Organ Toxicity (STOT) - Repeated Exposure:	Not classified
Aspiration Hazard:	Not classified
Immediate, Delayed and Chronic Health Effects From Exposure:	May experience slight burning sensation.
Other Information:	None known.

Section 12. Ecological Information

Ecotoxicity:	No product data available.
Persistence and Degradability	The majority of the components are expected to be readily biodegradable.
Bioaccumulative Potential	Not expected to bioaccumulate.
Mobility in Soil	Negligible sorption to soil / sediment, rapid migration to ground water (Estimated Log K_{oc} value (EpiSuite 4.1 KOCWIN): approx. -1.7)
Other Adverse Effects	None known

Section 13. Disposal Considerations

Disposal Methods	Refer to State/Territory Land Waste Management Authority. After dilution & careful neutralization, approved liquid waste land fill site should be suitable.
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Section 14. Transport Information

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code for transport by Road and Rail (ADG 7.3).

UN Number	UN3253
Proper Shipping Name	DISODIUM TRIOXOSILICATE
Technical Name	-
Transport Hazard Class	8
Packing Group	III
Environmental Hazards	None
Special Precautions for User	None
Additional Information	None
Hazchem Code	2X

Section 15. Regulatory Information

NICNAS: All substances are listed on the Australian Inventory of Chemical Substances (AICS).
Poisons Schedule (SUSMP): None allocated

Section 16. Other Information

This information is provided to the best of our knowledge and belief, accurate as of the last revision date. It is provided in good faith and relates to the specific materials designated. True Blue Chemicals assumes no liability or responsibility for loss or damage resulting from improper use or handling of our products from incompatible product combinations or from failure to follow usage directions. This document remains the property of True Blue Chemicals Pty Ltd. Alterations are not permitted without prior written authorization from True Blue Chemicals Pty Ltd.

Glossary:

Peak limitation means a maximum or peak airborne concentration of a substance determined over the shortest analytically practicable period of time which does not exceed 15 minutes.

Log Koc Adsorption Classifications

- > 4.5 Very strong sorption to soil / sediment, negligible migration to ground water
- 3.5 - 4.4 Strong sorption to soil / sediment, negligible to slow migration to ground water
- 2.5 - 3.4 Moderate sorption to soil / sediment, slow migration to ground water
- 1.5 - 2.4 Low sorption to soil / sediment, moderate migration to ground water

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< 1.5 Negligible sorption to soil / sediment, rapid migration to ground water

References

1. Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice (Safe Work Australia)
2. Australian Code for the Transport of Dangerous Goods by Road and Rail, edition 7.3 (ADG 7.3)
3. Workplace Exposure Standards for Airborne Contaminants (Safe Work Australia)
4. Standard for the Uniform Scheduling of Medicines and Poisons No. 4 (the SUSMP 4)
5. Hazardous Substances Information System (HSIS - Safe Work Australia)
6. Globally Harmonised System of Classification and Labelling of Chemicals (GHS) (United Nations)
7. European Chemicals Agency (<http://echa.europa.eu/>)

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