

# RELEASE

## Section 1. Identification

**Product identifier:** Release **Product Code:** RELEASE  
**Other means of identification:** N/A  
**Recommended use and restrictions on use:** Multipurpose 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 Australian Code for the Transport of Dangerous Goods by Road and Rail.

### GHS Classification

Skin corrosion/Irritation - Category 1C  
 Specific target organ toxicity (single exposure) - Category 3

### Signal Word

DANGER

### Hazard Statements

Causes severe skin burns and eye damage  
 May cause respiratory irritation

### 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).  
 Avoid breathing dust.  
 Use only in a well ventilated area.  
 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 pentahydrate	10213-79-3	10-30
Other ingredients determined not to be hazardous or below concentration cut-off		to 100

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### Section 4. First Aid Measures

- Swallowed:** Rinse mouth. DO NOT induce vomiting. Give water or milk to drink. Immediately call the POISONS INFORMATION CENTRE (13 11 26 Australia only).
- Eye Contact:** Immediately rinse with plenty of water for at least 15 minutes holding eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. Call POISONS INFORMATION CENTRE (13 11 26 Australia only) for advice.
- Skin Contact:** Wash skin with plenty of water. Remove contaminated clothing and wash before reuse.
- Inhalation:** Move victim to fresh air. If symptoms develop, seek medical advice.
- Symptoms caused by exposure:** Irritating and burning sensation after contact.
- Medical attention and special treatment:** No specific treatment. Treat symptomatically.

### Section 5. Fire Fighting Measures

- Suitable extinguishing equipment:**  
Use extinguishing media suited to the materials that are burning; eg: dry chemical, CO2 or water fog.
- Specific hazards arising from the chemical:**  
Carbon dioxide, carbon monoxide, and 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. Ensure no spillage enters drains or water courses.

### 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 and eye contamination and 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 the 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 and seal in properly labelled 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 and out of direct sunlight. Store away from strong acids, oxidisers and 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)
- Engineering Controls:**  
Natural ventilation should be adequate under normal use conditions. Avoid generating and inhaling dusts. Keep containers closed when not in use.
- Individual Protection Measures:**
- Eye and face protection** Safety glasses or chemical resistant goggles should be worn to prevent eye contact.
- Skin protection** Wear rubber gloves to prevent skin contact.

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<b>Respiratory protection</b>	Not normally needed. If significant dusts are generated, use an appropriate respirator in accordance with AS/NZS 1715 and AS/NSZ 1716.
<b>Thermal hazards</b>	Refer to Section 5.

### Section 9. Physical and Chemical Properties

<b>Appearance:</b>	Powder	<b>Colour:</b>	White
<b>Odour:</b>	Odourless	<b>Boiling Point:</b>	Not available
<b>Vapour Pressure:</b>	Not available	<b>Specific Gravity:</b>	Not available
<b>Flashpoint (°C):</b>	Not available	<b>Flammability:</b>	Not available
<b>Water Solubility:</b>	Complete	<b>pH (1% solution):</b>	11.0 - 12.0
<b>Auto-ignition Temperature:</b>	Not available	<b>Viscosity:</b>	Not available
<b>Relative Density:</b>	Not available	<b>Evaporation Rate:</b>	Not available
<b>Vapour Pressure</b>	Not available	<b>Melting Point/Freezing Point</b>	Not available
<b>Partition Coefficient: n-octanol/water</b>	Not available	<b>Upper/Lower Flammability or Explosive Limits:</b>	Not available

### Section 10. Stability and Reactivity

<b>Reactivity:</b>	Not reactive.
<b>Chemical Stability:</b>	Stable under normal ambient storage conditions.
<b>Possibility of Hazardous Reactions:</b>	Hazardous polymerisation will not occur.
<b>Conditions to Avoid:</b>	Avoid high temperatures (store below 30°C) and direct sunlight. Protect against physical damage.
<b>Incompatible Materials:</b>	Strong acids and strong oxidisers. Do not mix with other chemicals.
<b>Hazardous Decomposition Products:</b>	None known.

### Section 11. Toxicological Information

#### Information on Route of Exposure

#### Acute Toxicity:

Acute Toxicity Estimated (ATE) value: Not classified

**Skin Corrosion/Irritation:** Corrosive. Causes severe skin burns and permanent tissue damage.

**Serious Eye Damage/Irritation:** Corrosive. Causes severe burns and eye damage.

**Respiratory or Skin Sensitisation:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Not classified

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (STOT) - Single Exposure:** Inhalation of dust and powder may cause respiratory irritation.

**Specific Target Organ Toxicity (STOT) - Repeated Exposure:** Not classified

**Aspiration Hazard:** Not classified

**Immediate, Delayed and Chronic Health Effects From Exposure:** No information available.

**Other Information:** None known.

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**Section 12. Ecological Information**

Ecotoxicity:	No data available
Persistence and Degradability	Product is not readily biodegradable
Bioaccumulative Potential	Not expected to bioaccumulate
Mobility in Soil	Low sorption to soil/sediment, moderate migration to ground water (Estimated Log $K_{OC}$ value (EpiSuite KOCWIN): <1)
Other Adverse Effects	None known.

**Section 13. Disposal Considerations**

Disposal Methods	Refer to State/Territory Land Waste Management Authority. Dispose of material through a licensed waste third party, in accordance with local regulations.
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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.

UN Number	UN3253
Proper Shipping Name	DISODIUM TRIOXOSILICATE
Technical Name	-
Transport Hazard Class	8
Packing Group	III
Environmental hazards for Transport purposes	None
Special Precautions for User	None
Additional Information	None
Hazchem Code or Emergency Action 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**

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**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
- < 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 (ADG)

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3. Workplace Exposure Standards for Airborne Contaminants - Safe Work Australia
4. Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)
5. Hazardous Substances Information System (HSIS) - Safe Work Australia
6. Globally Harmonised System of Classification and Labelling of Chemicals (GHS)
7. European Chemicals Agency (<http://echa.europa.eu/>)
8. Ansell Chemical Resistance Guide - Permeation & Degradation data

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**Date of Issue:** 14/04/2020

**Reason for revision:** GHS update