

## Det-n-ate

**Section 1. Identification**

**Product identifier:** Det-n-ate **Product Code:** DETN  
**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**

Serious Eye Damage/Irritation - Category 1  
 Skin Corrosion/Irritation - Category 1  
 Acute Toxicity (Oral) - Category 4

**Signal Word**

DANGER

**Hazard Statements**

Causes severe skin burns and eye damage.  
 Harmful if swallowed.

**Pictograms**

**Precautionary Statements**

Do not breathe dust or mists.  
 Wear protective gloves/protective clothing and eye/face protection.  
 Wash hands thoroughly after handling.  
 Do not eat, drink or smoke when using this product.  
**IF SWALLOWED:** Call the POISONS INFORMATION CENTRE (131 126 Australia only) or a doctor. Rinse mouth.  
**IF ON SKIN (or hair):** Remove immediately all contaminated clothing. Rinse skin with water.  
 Wash contaminated clothing before reuse.  
 Immediately call the POISONS INFORMATION CENTRE (131 126 Australia only) if you feel unwell.  
**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 Store locked up.  
 Dispose of contents and container in accordance with local/regional/national regulations.

**Section 3. Composition and Information on Ingredients**

Chemical Name	CAS Number	Percentage (%)
Sodium percarbonate	15630-89-4	10 - 30
Sodium metasilicate, pentahydrate	10213-79-3	10 - 30
Other ingredients determined not to be hazardous or below concentration cut-off		to 100

**Section 4. First Aid Measures**

## Det-n-ate

- Swallowed:** Rinse mouth with water. 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. Get medical attention.
- Skin Contact:** Wash skin with plenty of water. Get medical attention.
- Inhalation:** Move victim to fresh air, if symptoms develop, seek medical advice.
- Symptoms caused by exposure:** May experience burning sensation in eyes.
- 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, CO<sub>2</sub> 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 dust.

**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.

**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 dusts. Keep containers tightly 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. Replace gloves regularly to avoid exposure from glove degradation.

**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.

## Det-n-ate

Thermal hazards Refer to Section 5.

**Section 9. Physical and Chemical Properties**

<b>Appearance:</b>	Powder	<b>Colour:</b>	White
<b>Odour:</b>	Citrus eucalyptus	<b>Boiling Point(°C):</b>	Not available
<b>Vapour Pressure:</b>	Not available	<b>Specific Gravity:</b>	Not applicable
<b>Flashpoint (°C):</b>	Not available	<b>Flammability:</b>	Not flammable
<b>Water Solubility:</b>	Complete	<b>pH (1% solution):</b>	9.5 - 10.5
<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**

**Reactivity:** Reacts with strong acids.

**Chemical Stability:** Stable under normal ambient storage conditions.

**Possibility of Hazardous Reactions:** None known.

**Conditions to Avoid:** Avoid 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:** Harmful if swallowed.

**Eye Contact:** No toxicity effects known.

**Skin Contact:** No toxicity effects known.

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

**Skin Corrosion/Irritation:** Corrosive to skin

**Serious Eye Damage/Irritation:** Severely irritating and may cause irreversible eye damage if left untreated.

**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:** 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 burning sensation, shortness of breath, headache, nausea and vomiting.

**Other Information:** None known.

## Det-n-ate

**Section 12. Ecological Information**

Ecotoxicity:	No product data available.
Persistence and Degradability	Not readily biodegradable.
Bioaccumulative Potential	No data available.
Mobility in Soil	No data available.
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.
------------------	---

**Section 14. Transport Information**

Not classified as dangerous goods according to the criteria of the Australian Dangerous Goods Code (ADG 7.3) 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	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 authorisation 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
- < 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)

**Det-n-ate**

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/>)

**Prepared By:** Rianna Goodwin - Head of Innovation & Product Development  
**Date of issue:** 14/12/2020  
**Date of expiry:** 14/12/2025  
**Reason for revision:** GHS update