SAFELOCK™ ULTRA L1

Section 1. Identification

Product identifier: **Safelock™ Ultra L1** **Product Code:** SAFELL1

Other means of identification: N/A

Recommended use and restrictions on use: Laundry alkaline builder. Use in accordance with directions on product label.

Supplier: True Blue Chemicals

Street Address: 2/1 Endeavour Road Caringbah NSW 2229

Postal Address: PO Box 334 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 a Dangerous Good according to Australian Code for the Transport of Dangerous Goods by Road and Rail, Edition 7.3.

GHS Classification

Skin corrosion/Irritation - Category 1A

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 (%)
Potassium hydroxide	1310-58-3	10-30
Other ingredients determined not to be hazardous or below concentration cut-off		to 100

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 mists and vapours. Stop leak 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 and moisture. Keep containers closed at all times – Check regularly for spills.

Section 8. Exposure Controls and Personal Protection

National Exposure Standards: Source: Safe Work Australia – Workplace Exposure Standards for Airborne Contaminants

Ingredient Name	CAS No	TWA	STEL
Potassium hydroxide	1310-73-2	2mg/m^3 (Peak limitation)	-

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

Section 9. Physical and Chemical Properties

Appearance:	Liquid	**Colour:**	Clear
Odour:	Odourless	**Boiling Point:**	Not available
Vapour Pressure:	Not available	**Specific Gravity:**	1.30
Flashpoint (°C):	Not available	**Flammability:**	Not available
Water Solubility:	Complete	**pH:**	13 - 14
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 available.

Chemical Stability: Stable under normal ambient storage conditions.

Possibility of Hazardous Reactions: Low

Conditions to Avoid: Avoid high temperatures (store below 30°C). Protect again physical damage.

Incompatible Materials: Do not mix with other chemicals. Incompatible with strong acids, ammonium compounds, organic chemicals and chemical compounds, hydrogen peroxide, strong oxidisers, and metals such as copper, nickel, cobalt, iron.

Hazardous Decomposition Products: Chlorine.

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: Not classified

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.

Section 12. Ecological Information

Ecotoxicity:	No data available
Persistence and Degradability	Product is expected to be 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 4.1 KOCWIN): approx. -1.63)
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

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

UN Number	UN1814
Proper Shipping Name	POTASSIUM HYDROXIDE SOLUTION
Technical Name	-
Transport Hazard Class	8
Packing Group	II
Environmental hazards for Transport purposes	None
Special Precautions for User	None
Additional Information	None
Hazchem Code or Emergency Action Code	2R

Section 15. Regulatory Information

NICNAS	All substances are listed on the Australian Inventory of Chemical Substances.
Poisons Schedule (SUSMP)	Schedule 6 - POISON

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
< 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. 5 (Poisons Standard 2015)
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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