



SAFTEY DATA SHEET

NORTHERN CHEMICALS PTY LTD
157 Hartley Street
PO BOX 1482
Cairns 4870
Queensland, Australia

ABN 28 010 495 039
Telephone: (07) 4035 4622
Fax: (07) 4035 4932
enquiries@northernchemicals.com.au
www.northernchemicals.com.au

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product Identifier

Product Name BRIGHTCLEAN
Synonym(s) BRI5L, BRI20L

1.2 Uses and uses advised against

Use(s) Automatic Dishwashing Machine Detergent

1.3 Details of the supplier of the product

Supplier Name Northern Chemicals Pty Ltd
Address 157 Hartley St, Cairns, QLD, 4870, Australia
Telephone (07) 4035 4622
Fax (07) 4035 4932
Email enquiries@northernchemicals.com.au
Website www.northernchemicals.com.au

1.4 Emergency telephone number(s)

Emergency (07) 4035 4622

1.5 Additional Information

This SDS and the Hazard Classifications contained therein, only apply to the product in its concentrated form, as supplied. When diluted to 1:2 or greater with water, they no longer apply. However, good hygiene and housekeeping practices should be adhered to.

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

GHS classification(s) Eye Damage/Irritation: Category 1
Skin Corrosion/Irritation: Category 1B
Corrosive to Metals: Category 1

2.2 Label elements

Signal Word DANGER

Pictogram(s)



Hazard statement(s)

May be corrosive to metals.
Causes severe skin burns and eye damage.
Contact with acids liberates toxic gas.

Prevention statement(s)

Wash contaminated skin thoroughly after handling.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Keep only in original container.
 Do not breath dust/fume/gas/mist/vapours/spray.

Response statement(s)

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.
 Rinse skin with water/shower.
 Wash contaminated clothing before reuse.
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 Immediately call a POISON CENTER or doctor/physician.
 Absorb spillage to prevent material damage.

Storage statement(s)

Store locked up.
 Store in corrosive resistant/approved container with a resistant inner liner.

Disposal statement(s)

Dispose of contents and container in accordance with local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances / Mixtures

INGREDIENT	CAS NUMBER	CONTENT
POTASSIUM HYDROXIDE	1310-58-3	10-30%
SODIUM HYPOCHLORITE	7681-52-9	<10%
NON-HAZARDOUS INGREDIENTS	-	to 100%

4. FIRST AID MEASURES

4.1 First aid measures

- Eye Contact** If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.
- Inhalation** Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. For all but the most minor symptoms arrange for patient to be seen by a doctor as soon as possible, either on site or at the nearest
- Skin** 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.
- Ingestion** Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Seek immediate medical assistance.
- First aid facilities** Use should be made of an on-site approved first aid kit if required in the first instance until medical assistance is forthcoming. Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.

4.2 Advice to Doctor

Treat symptomatically. Can cause corneal burns. Can cause skin burns. Material is strongly alkaline and corrosive.

5. FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media

Not Combustible liquid, if material is involved in a fire use: Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

5.2 Hazards from Combustion Products

N/A

5.3 Special Protective Equipment for fire fighters

Material can decompose if involved in a fire, emitting toxic fumes. Contact with metals may liberate hydrogen gas which is extremely flammable. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

6. ACCIDENTAL RELEASE MEASURES**6.1 Emergency Procedures**

Clear area of all unprotected personnel. Slippery when spilt. Turn off ignition sources. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing in vapours. Work up wind or increase ventilation. Contain - prevent 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. Caution - heat may be evolved on contact with water. If contamination of sewers or waterways has occurred advise local emergency services.

7. HANDLING AND STORAGE**7.1 Precautions for safe handling**

Avoid skin and eye contact and breathing in vapour, mists and aerosols.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place and out of direct sunlight. Store away from incompatible materials described in Section 10. Store away from foodstuffs. Do not store in aluminium or galvanised containers nor use die-cast zinc or aluminium bungs; plastic bungs should be used. At temperatures greater than 40°C, tanks must be stress relieved. Keep containers closed when not in use - check regularly for leaks.

7.3 Other information

This material is a Scheduled Poison S6 and must be stored, maintained and used in accordance with the relevant regulations. Combustible Liquid (C1). Store in accordance with local regulations.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Occupational exposure limit values**

No value assigned for this specific material by Safe Work Australia. However, Exposure Standard(s) for constituent(s):

Potassium hydroxide: Peak Limitation = 2 mg/m³

Sodium Hypochlorite: Peak Limitation = 1 (ppm as Cl₂)

Peak Limitation - a ceiling concentration which should not be exceeded over a measurement period which should be as short as possible but not exceeding 15 minutes.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

8.2 Appropriate engineering controls

Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Exposure Standards. If inhalation risk exists: Use with local exhaust ventilation or while wearing suitable mist respirator. Keep containers closed when not in use. Combustible Liquid (C1) keep away from ignition sources.

8.3 Personal Protective Equipment

Wear overalls, face shield, elbow-length impervious gloves, splash apron and rubber boots. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

If risk of inhalation exists, wear suitable mist respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid	Specific Gravity	approx 1.15
Appearance	Colourless to pale yellow	pH	>13
Odour	N/A	Flash Point	N/A
Boiling Point	N/A	Flammability	N/A
Solubility in Water	Miscible with water		

10. STABILITY AND REACTIVITY

10.1 Chemical Stability

Stable under normal conditions of use. The shelf life is 2 years.

10.2 Conditions to Avoid

Do not combine part drums of the same product, as this may be a source of contamination. Keep away from ignition sources.

10.3 Incompatible Materials

Reacts violently with acids. Reacts exothermically on dilution with water. May be incompatible with aluminium, ammonium salts, tin, and zinc.

11. TOXICOLOGICAL INFORMATION

Inhaled	Breathing in mists or aerosols may produce respiratory irritation and possible burns.
Ingestion	Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract. Swallowing can result in chemical burns to the mouth, throat and abdomen; perforation of the gastrointestinal tract and vomiting of blood and eroded tissue. Death may occur if large amounts are ingested.
Skin	Contact with skin will result in severe irritation. Corrosive to skin - may cause skin burns.
Eye	A severe eye irritant. Corrosive to eyes; contact can cause corneal burns. Contamination of eyes can result in permanent injury.
Chronic Effects	No information available for the product.

12. ECOLOGICAL INFORMATION

12.1 Ecological Information

Avoid contaminating waterways.

12.2 Ecotoxicity

Toxic to aquatic life.

13. DISPOSAL CONSIDERATIONS

13.1 Disposal Considerations

Remove for disposal in accordance with local waste management regulations. Neutralise and dilute well with water before discharge.

14. TRANSPORT INFORMATION

14.1 Transportation Information

Dangerous Goods of Class 8 Corrosives are incompatible in a placard load with any of the following: - Class 1, Class 4.3, Class 5, Class 6, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids and

U.N. Number	3266		
UN Proper shipping name	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. - (contains Potassium Hydroxide)		
Transport hazard class	8	Packing Group	II
Hazchem code	2X	IERG Number	37

15. REGULATORY INFORMATION

15.1 Poison Schedule

S6

15.2 AICS (Australia)

All ingredients listed

16. OTHER INFORMATION

DO NOT MIX WITH OTHER CHEMICALS WITHOUT PRIOR CONSULTATION WITH THE MANUFACTURER.

Always use product as directed. Never return any unused material to original drum.

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writers knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product.

...End Of MSDS...