

Material Safety Data Sheet

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Issue date: January 2009

BRILLIANT

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: BRILLIANT

Use: Cleaner/Sanitizer

CHEMETALL (NEW ZEALAND) LTD
664 ROSEBANK ROAD, AVONDALE, AUCKLAND, NEW ZEALAND.
PH 64-9-820-3888 FAX 64-9-820-3979

Emergency Advice All Hours:

In New Zealand ph 64 (09) 820 3888 in business hours, (64) 021 703418

2. HAZARDS IDENTIFICATION

HAZARDOUS ACCORDING TO ERMA CRITERIA

HAZARD CLASSIFICATIONS & STATEMENTS

- 6.1D Substances that present a low acute toxicity risk
- 8.1A Substances that are corrosive to metal
- 8.2B Substances that are moderately corrosive to skin
- 8.3A Substances that are corrosive to eyes

DANGER: Causes severe skin burns and eye damage.

WARNING: Corrosive to metals

WARNING: Harmful if swallowed

PRECAUTION STATEMENTS

Keep only in original container.

Do not breathe mist.

Wash thoroughly after handling.

Wear protective gloves and eye/face protection.

Do not release to the environment.

Do not eat, drink or smoke while using this product

3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	Proportion	CAS Number
SODIUM HYDROXIDE	10 to 30%	1310-73-2
SODIUM HYPOCHLORITE, SOLUTION (Below Cutoff)	1 to 5%	7681-52-9

4. FIRST AID MEASURES

IF SWALLOWED:

Immediately call a POISON CENTRE or doctor/physician. 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. Immediately call a POISON CENTRE or doctor/physician

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IF ON SKIN OR HAIR, remove immediately all contaminated clothing. Rinse skins with water/shower, Wash contaminated clothing before re-use, and immediately call a POISON CENTRE or doctor/physician

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

First Aid Facilities:

Eye wash fountain, safety shower and normal wash room facilities.

Advice to Doctor:

Treat symptomatically.

In case of poisoning, contact NZ National Poisons Centre Tel: 0800 764 766

5. FIRE-FIGHTING MEASURES

Fire/Explosion Hazard

CAUTION: Use of water spray when fighting fire may be inefficient.

EXTINGUISHING MEDIA: Use dry chemical, carbon dioxide, foam or water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus (SCBA) required for fire-fighting personnel. If possible to do so safely, shut off fuel to fire. Use water spray to spray to cool fire-exposed surfaces and to protect personnel.

UNUSUAL FIRE AND EXPLOSION HAZARDS: If tanks, drums or containers of this material are heated, they may rupture and project corrosive liquids over a wide area.

HAZCHEM CODE: 2R

FLAMMABILITY

Not flammable or combustible. If involved in a fire may generate noxious and corrosive fumes.

6. ACCIDENTAL RELEASE MEASURES

Material may be slippery when spilt. Walk cautiously. Ventilate area. Wear protective equipment to prevent skin and eye contact, as outlined under personal protection in this MSDS. Bund area using sand or soil - to prevent run off into drains and waterways. Absorb spillage to prevent material damage. Use absorbent (soil, sand, vermiculite or other inert material). Shovel or use HEPA vacuum system to collect, and then place into properly labeled containers for disposal.

7. HANDLING AND STORAGE

Store in a cool place and out of direct sunlight. Store away from sources of heat or ignition. Store away from oxidizing agents and strong acids. Keep containers closed, when not using the product. Store in original packages as approved by manufacturer.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards

No exposure standards are available for this product; however, the following exposure standards have been assigned by NZ Dept. of Labour to the following components of the product:

SODIUM HYDROXIDE

NZ WES

[TWA] 2 mg/m³

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[STEL]Peak limitation

SODIUM HYPOCHLORITE, SOLUTION CL ACTIVE (Below Cutoff)

No exposure standards have been assigned by the NZ Dept. of Labour

Engineering Controls

Corrosive solid. Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate unless the material is heated, reacted or otherwise changed in some type of chemical reaction, then the use of a local exhaust ventilation system is recommended.

Personal Protection Equipment

GLOVES: PVC or rubber.

EYES: Chemical goggles or faceshield to protect eyes.

RESPIRATORY PROTECTION: Avoid breathing of dust. Select and use respirators in accordance with AS/NZS 1715/1716.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Thin pale yellow liquid
Boiling Point	100°C
Melting Point:	
Specific Gravity:	1.2
Flash Point:	N/A
Flammability Limits:	N/A
Solubility in Water:	Soluble

Other Properties

pH 1% 12.5 - 13

10. STABILITY AND REACTIVITY

STABILITY:

Stable under normal conditions of use.

HAZARDOUS DECOMPOSITION PRODUCTS:

Emits choking and corrosive fumes when heated to decomposition.

HAZARDOUS POLYMERIZATION:

Will not occur.

INCOMPATIBILITIES:

Strong acids and reducing agents.

CONDITIONS TO AVOID:

Heat, flames, ignition sources and incompatibles.

11. TOXICOLOGICAL INFORMATION

No adverse health effects are expected, if the product is handled in accordance with this Material Safety Data Sheet and the product label. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are:

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ACUTE HEALTH EFFECTS:

Swallowed:

Will cause burns to the mouth, mucous membranes, throat, oesophagus and stomach. If sufficient quantities are ingested (swallowed) death may occur.

Eye:

Will cause burns to the eyes with effects including: Pain, tearing, conjunctivitis and if duration of exposure is long enough, blindness will occur.

Skin:

Will cause burns to the skin, with effects including; Redness, blistering, localised pain and dermatitis.

Inhaled:

Will cause severe irritation to the nose, throat and respiratory system with effects including: Dizziness, headache, coughing, loss of co-ordination, chest pains, respiratory paralysis and or failure.

Chronic:

Prolonged or repeated skin contact will lead to necrosis (death) of the skin.

Toxicological Data:

There is no other toxicological information available for this product.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

This substance may cause long term adverse effects in the aquatic environment.

Harmful to terrestrial vertebrates

Do not release to the environment. Collect spillage

13. DISPOSAL CONSIDERATIONS

Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor.

Normally suitable for disposal by approved waste disposal agent.

14. TRANSPORT INFORMATION

SODIUM HYDROXIDE SOLUTION

UN Number: 1824

DG Class: 8

Subsidiary Risk: None allocated

Packing Group: III

Hazchem: 2R

15. REGULATORY INFORMATION

ERMA Group Standard: Cleaning Products (Corrosive) HSR002526

Refer to the Group Standard document for further information.

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16. OTHER INFORMATION

Date of Preparation:

Issue date: 6/09/2010

Key Legend Information:

NOHSC - National Occupational Health & Safety Commission {Formerly Worksafe} [Aust]

TWA - Time Weighted Average [Int]

STEL - Short Term Exposure Limit [Int]

EPA - Environmental Protection Agency [Int]

NIOSH - National Institute for Occupational Safety and Health [US]

AS/NZS 1715 - Selection, use and maintenance of respiratory protective devices. [Aust/NZ]

EU - European Union

[Aust/NZ] = Australian New Zealand

[Int] = International

[US] = United States of America

Disclaimer

This MSDS summarizes our best knowledge of the health and safety hazard information available on the product and the measures to be used to handle and use the product safely. Each user should read this MSDS and consider the information in connection with the way the product is intended to be handled or used.

Principal References:

Information supplied by manufacturer, reference sources including the public domain.