



Safety Data Sheet

Date of Issue: 11.09.2020

Date of Expiry: 11.09.2025

1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Company Name: : **ECP Limited**
Address: : PO Box 34125, Birkenhead, Auckland 0746
Telephone: : +64 9 480 4386
Facsimile: : +64 9 480 4385
Emergency phone number: : 0800 243 622 (24 hours)

Product	Buffer pH 10	Code	16101
----------------	---------------------	-------------	--------------

Recommended use : Laboratory Investigations

2: Hazards identification

Hazard Classification:

New Zealand:

Not classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.

Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2007 Transport of Dangerous Goods on Land.

3: Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Sodium tetraborate	1303-96-4	<10 %
	Sodium Hydroxide	1310-73-2	<1%
	Blue Dye	-	trace
	Water	7732-18-5	>60%

4: First aid measures

Inhalation

If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist seek medical attention.

Ingestion

Do not induce vomiting. Wash out mouth thoroughly with water. If symptoms develop seek medical attention.

Skin

Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.

Eye

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and persist seek medical attention.

First Aid Facilities

Eyewash and normal washroom facilities.

Advice to Doctor

Treat symptomatically.

Other Information

For advice in an emergency, contact Poisons Information Centre (Australia 131 126; New Zealand 0800 POISON / 0800 764 766) or a doctor.

5: Firefighting measures

Suitable Extinguishing Media

Use appropriate fire extinguisher for surrounding environment.

Specific Hazards

No unusual fire or explosion hazards.

Precautions in connection with Fire

Fire-fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Water spray may be used to keep fire exposed containers cool.

6: Accidental release measures

Spills & Disposal

Small laboratory quantities may be flushed to drain with a large volume of water. For large spills, wear protective clothing to minimise skin and eye exposure. If possible, contain the spill. Place inert absorbent such as vermiculite, sand or dirt onto material. Use clean non-sparking tools to collect the material and place into a suitable labelled container. Do not dilute material but contain. Mop up the remaining material and place into the same container. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

7: Handling and storage

Precautions for Safe Handling

Avoid breathing in mists or vapours. Wear appropriate protection to avoid exposure. Practice good personal hygiene, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities.

Conditions for Safe Storage

Store in a cool, dry well-ventilated area away from heat and out of direct sunlight. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks.

8: Exposure controls/personal protection

National Exposure Standards

Name	STEL (mgm3)	STEL (ppm)	TWA (mgm3)	TWA (ppm)	Footnote
Sodium Hydroxide			2		Peak Limitation

Engineering Controls

Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

Respiratory Protection

Respiratory Protection If the exposure limit is exceeded and/or engineering controls are not feasible, then suitable respiratory protective equipment should be used for protecting against airborne

contaminants. For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator.

NOTE: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Final choice of appropriate breathing protection is dependant upon actual airborne concentrations.

The type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision.

Eye Protection

Safety glasses with side shields or goggles.

Hand Protection

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Body Protection

Where skin contact is likely to be prolonged or repeated impervious PVC or rubber gloves are recommended. Suitable workwear should be worn to protect personal clothing, e.g. cotton overalls buttoned at neck and wrist. When large quantities are handled the use of plastic aprons and rubber boots is recommended.

9: Physical and chemical properties

Appearance	:	Bright blue solution
Odour	:	Not available
Melting Point	:	Not applicable
Boiling Point	:	Not available
Solubility in Water	:	Soluble
Specific Gravity	:	Not available
pH Value	:	10.0
Vapour Pressure	:	Not available
Vapour Density (Air=1)	:	Not available
Flash Point	:	Not applicable
Flammability	:	Non-flammable
Auto-Ignition Temperature	:	Not available
Flammable Limits – Lower	:	Not applicable
Flammable Limits – Upper	:	Not applicable

10: Stability and reactivity

Chemical Stability

Stable under normal conditions of use.

Hazardous Decomposition Products

None identified.

Hazardous Polymerization

Will not occur.

11: Toxicological information

Toxicology Information

No toxicology data available for this product.

--

Ingredient Toxicological Data:

Sodium tetraborate:

Oral Lowest Lethal Dose(man): 709 mg/kg.

Inhalation

Not applicable.

Ingestion

I May be harmful if swallowed.

Skin

Repeated or prolonged skin contact may lead to irritation.

Eye

May be irritating to eyes. The symptoms may include redness, itching and tearing.

Chronic Effects

No known effects.

12: Ecological information

Ecotoxicity : No ecological data are available for this material.

Persistence / Degradability : Not available

Mobility : Not available

Environment Protection : Avoid contaminating waterways.

13: Disposal considerations

Product Disposal:

This product can be disposed through a licensed commercial waste collection service, in accordance with applicable local and national regulations. This product is non-hazardous and therefore the New Zealand HSNO regulations regarding disposal do not apply. It can be disposed in a licensed landfill facility.

Container Disposal:

The product is non-hazardous, therefore, the packaging may be re-used or recycled if it has been treated to remove any residual contents of the substance. Any wash-off water from the container cleaning process should be sent to a suitable waste water treatment plant before discharge into the environment.

In New Zealand, the packaging (that may or may not contain any residual substance) that is lawfully disposed of by householders or other consumers through a public or commercial waste collection service is a means of compliance with regulations.

14: Transport Information Table

New Zealand: Not classified as Dangerous Goods for transport according to the NZS 5433:2007 Transport of Dangerous Goods on Land.

15: Regulatory information

National and or International Regulatory Information

New Zealand:

Not classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

All components of this product are listed on the New Zealand Inventory of Chemicals (NZIoC) or exempted.

16: Disclaimer

The information above is believed to be accurate and represents the best information currently available to us. However, the information is not a guarantee expressed or implied, with respect to such information, and we assume no liability resulting from its use. Anyone using the chemical described here should ensure that he or she has the appropriate training and has the expertise and any equipment required for safe handling. If clarification or further information is required, please contact ECP Ltd or refer to the official handler of dangerous goods within your own company. The user should also make their own investigations to determine the suitability of the product for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

****END*****END*****END*****END*****END*****END****