


SAFETY DATA SHEET

SIG TESTS®: SIG RAPID WB™

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier**
Product Name
Trade name
CAS No.
EINECS No.
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Identified use(s)
- Uses advised against
- 1.3 Details of the supplier of the safety data sheet**
Distributor
- E-Mail (competent person)
Telephone
- Manufacturer
- Telephone
Fax
E-mail
- 1.4 Emergency telephone number**
Australia
- SIGTESTS®: Sig Rapid WB.
SIGTESTS®: Sig Rapid WB.
Mixture.
Mixture.
- Designed to give a rapid (1 hour) semi-quantitative indication of moderate and heavy microbial contamination in water associated with distillate fuel.
None known.
- C & L Sales & Services Pty Ltd
U3, 40 Waterview Street
Carlton 2218 NSW
Australia
Att: Mr Brian George
sales@candl.org
+61 (2) 9547 1048
- ECHA Microbiology Ltd.
Unit 22 & 23 Willowbrook Technology Park
Llandogo Rd., CARDIFF CF3 0EF
United Kingdom(UK).
+44 (0) 29 2036 5930
+44 (0) 29 2036 1195
Info@echamicrobiology.com
- +61 (2) 9547 1048

2. SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**
GHS Classification (3rd Revision)
- 2.2 Label elements**
Hazard pictogram
- Signal word(s)
Hazard statement(s)
- Precautionary statement(s)
- SIGTESTS®: Sig Rapid WB contains pH buffer tablets:
Repr. 1B; May damage fertility. May damage the unborn child.
According to GHS Classification
- 
- Danger.
H360FD: May damage fertility. May damage the unborn child.
P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P281: Use personal protective equipment as required.

SIG TESTS®: SIG RAPID WB™

P308+P313: IF exposed or concerned: Get medical advice/attention.

P405: Store locked up.

P501: Dispose of contents/container to: Licensed waste disposal site.

2.3 Other hazards

None.

2.4 Additional Information

For professional users only.

3.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

SIGTESTS®: Sig Rapid WB contains one tube of ten pH buffer tablets (Disodium Tetraborate Decahydrate).

3.1 Substances

Not applicable.

3.2 Mixtures

GHS Classification

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	Hazard pictogram(s) and Hazard statement(s)
Disodium tetraborate decahydrate	40 - 100	1303-96-4	215-540-4	Repr. 1B; H360FD

3.3 Additional Information

None.

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation

Skin Contact

Eye Contact

Ingestion

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Wash with plenty of soap and water.

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. If symptoms persist, obtain medical attention.

Wash out mouth with water. Get medical attention.

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

IF exposed or concerned: Get medical advice/attention.

SIG TESTS®: SIG RAPID WB™

5. SECTION 5: FIRE-FIGHTING MEASURES

Non-flammable.

- | | |
|--|---|
| 5.1 Extinguishing Media | |
| Suitable Extinguishing Media | As appropriate for surrounding fire. |
| Unsuitable Extinguishing Media | None known. |
| 5.2 Special hazards arising from the substance or mixture | This product may give rise to hazardous fumes in a fire. |
| 5.3 Advice for fire-fighters | Fire fighters should wear complete protective clothing including self-contained breathing apparatus.
Chemical protection suit. |

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

- | | |
|--|---|
| 6.1 Personal precautions, protective equipment and emergency procedures | Avoid breathing dust. Wear protective gloves.
Clean up spill immediately. Do not place spilled materials back in the original container.
Prevent entry into drains. |
| 6.2 Environmental precautions | |
| 6.3 Methods and material for containment and cleaning up | |
| Dry, Uncontaminated tablets | Collect mechanically and dispose of according to Section 13. |
| Contaminated tablets and Damp tablets | Sweep up and shovel into waste drums or plastic bags.
Dispose of via an authorised person / licensed waste contractor in accordance with local, state or national legislation. |
| 6.4 Reference to other sections | See Also Section 8, 13. |

7. SECTION 7: HANDLING AND STORAGE

- | | |
|---|---|
| 7.1 Precautions for safe handling | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Ensure adequate ventilation. Avoid breathing dust. Use personal protective equipment as required. See Section: 8. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. |
| 7.2 Conditions for safe storage, including any incompatibilities | Store locked up. Keep container tightly closed, in a cool, well ventilated place. Keep away from moisture. Do not store after use. |
| Storage Temperature | Ambient. |
| Storage Life | Stable under normal conditions. |
| Incompatible materials | Reducing agent, Oxidizing agents, Alkali metals. |

SIG TESTS®: SIG RAPID WB™

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m³)	Note
Disodium Tetraborate Decahydrate	1303-96-4	-	5	-	-	

Source: WORKPLACE EXPOSURE STANDARDS FOR AIRBORNE CONTAMINANTS

8.1.2 Biological limit value

No information available.

8.2 Appropriate engineering controls

Ensure adequate ventilation. Local exhaust recommended.

8.3 Personal protection equipment

Eye/face protection



Not normally required. For large quantities - Wear eye/face protection.

Skin protection (Hand protection/ Other)



Wear protective gloves. For large quantities - Wear protective gloves.

Respiratory protection



Not normally required.

An approved dust mask should be worn if dust is generated during processing or handling. A suitable dust mask or dust respirator with filter type A/P may be appropriate.

Thermal hazards

Not applicable.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Tablets.

Colour

White.

Odour

Odourless.

Odour threshold

Not established.

pH

10 (5% aqueous solution)

Melting point/freezing point

741°C

Initial boiling point and boiling range

1575°C

Flash point

Not available.

Evaporation rate

Not available.

Flammability (solid, gas)

Non-flammable.

Upper/lower flammability or explosive limits

Not applicable.

Vapour pressure

Not available.

Vapour density

Not available.

Density

1.73g/cm³

Bulk Density

Not available.

Solubility (Water)

Soluble.

Solubility (Other)

Not available.

Partition coefficient: n-octanol/water

Not available.

Auto-ignition temperature

Not available.

SIG TESTS®: SIG RAPID WB™

	Decomposition temperature	Not available.
	Viscosity	Not available.
9.2	Other information	
	Molecular formula	B ₄ Na ₂ O ₇ ·10H ₂ O
	Molecular weight	381.36

10. SECTION 10: STABILITY AND REACTIVITY

10.1	Reactivity	Stable under normal conditions.
10.2	Chemical stability	Stable under normal conditions.
10.3	Possibility of hazardous reactions	No hazardous reactions known if used for its intended purpose.
10.4	Conditions to avoid	Keep away from heat. Keep away from moisture.
10.5	Incompatible materials	Reducing agent, Oxidizing agents, Alkali metals.
10.6	Hazardous decomposition products	No hazardous decomposition products known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects	
	Acute toxicity	Low acute toxicity.
	Skin corrosion/irritation	Non-irritant.
	Serious eye damage/irritation	Not classified.
	Respiratory or skin sensitisation	It is not a skin sensitiser.
	Germ cell mutagenicity	There is no evidence of mutagenic potential.
	Carcinogenicity	No evidence of carcinogenicity.
	Reproductive toxicity	May damage fertility. May damage the unborn child.
		No data.
	Specific target organ toxicity — single exposure	None anticipated.
	Specific target organ toxicity — repeated exposure	None anticipated.
	Aspiration hazard	Not classified.
11.2	Other information	None.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1	Ecotoxicity	Low toxicity to aquatic organisms.
12.2	Persistence and degradability	No information available.
12.3	Bioaccumulative potential	No information available.
12.4	Mobility in soil	Soluble in water.
12.5	Other adverse effects	None anticipated.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	
	Dry, Uncontaminated tablets	Dispose of contents/container to: Licensed waste disposal site.
	Contaminated tablets and Damp tablets	Dispose of via an authorised person / licensed waste contractor in accordance with local, state or national legislation.
13.2	Additional Information	Disposal should be in accordance with local, state or national legislation.

14. SECTION 14: TRANSPORT INFORMATION

Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code)

Not classified as dangerous for transport.

SIG TESTS®: SIG RAPID WB™

14.1	UN number	Not applicable.
14.2	Proper Shipping Name	Not applicable.
14.3	Transport hazard class(es)	Not applicable.
14.4	Packing Group	Not applicable.
14.5	Environmental hazards	Not applicable.
14.6	Special precautions for user	Not applicable.
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
14.8	Hazchem or Emergency Action Code	Not applicable.

15. SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

AICS (Australian Inventory of Chemical Substances)
 Australian HVICL (High Volume Industrial Chemicals List)
 NICNAS Priority Existing Chemical (PEC)
 NPI (National Pollutant Inventory)

Listed: Disodium tetraborate decahydrate
 (CAS No.: 1303-96-4)
 Listed: Disodium tetraborate decahydrate
 (CAS No.: 1303-96-4)
 Not listed.
 Not listed.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
Repr. 1B	Reproductive toxicity Category 1B

Hazard Statement(s)

H360FD May damage fertility. May damage the unborn child.

Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. ECHA Microbiology Ltd. gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. ECHA Microbiology Ltd. accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.