


SIGTESTS®: Sig Rapid WB

SAFETY DATA SHEET

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

| | | |
|--|----------------------|--|
| 1.1 Product identifier | Product Name | SIGTESTS®: Sig Rapid WB. |
| | Trade name | SIGTESTS®: Sig Rapid WB. |
| | CAS No. | Mixture. |
| | EINECS No. | Mixture. |
| 1.2 Relevant identified uses of the substance or mixture and uses advised against | Identified use(s) | Designed to give a rapid (1 hour) semi-quantitative indication of moderate and heavy microbial contamination in water associated with distillate fuel. None known. |
| | Uses advised against | |
| 1.3 Details of the supplier of the safety data sheet | Distributor | Fueltrat Australia Pty 30 – 32 Temple Drive PO Box 205 Thomastown VIC 3074 |
| | Manufacturer | ECHA Microbiology Ltd. Unit 22 & 23 Willowbrook Technology Park Llandogo Rd., CARDIFF CF3 0EF United Kingdom(UK). |
| | Telephone | +44 (0) 29 2036 5930 |
| | Fax | +44 (0) 29 2036 1195 |
| | E-mail | Info@fueltrat.com.au |
| 1.4 Emergency telephone number | Australia | 03 9465 6011 |

2. SECTION 2: HAZARDS IDENTIFICATION

| | | |
|---|---|---|
| 2.1 Classification of the substance or mixture | GHS Classification (3 rd Revision) | SIGTESTS®: Sig Rapid WB contains pH buffer tablets: Repr. 1B; May damage fertility. May damage the unborn child. |
| 2.2 Label elements | Hazard pictogram | According to GHS Classification |
| | |  |
| | Signal word(s) | Danger. |
| | Hazard statement(s) | H360FD: May damage fertility. May damage the unborn child. |
| | Precautionary statement(s) | 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. P308+P313: IF exposed or concerned: Get medical advice/attention. P405: Store locked up. P501: Dispose of contents/container to: Licensed waste |

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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.

5. SECTION 5: FIRE-FIGHTING MEASURES

Non-flammable.

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| | | |
|-----|--|---|
| 5.1 | Extinguishing Media Suitable Extinguishing Media Unsuitable Extinguishing Media | As appropriate for surrounding fire. 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 Contaminated tablets and Damp tablets | Collect mechanically and dispose of according to Section 13. 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 Storage Temperature Storage Life Incompatible materials | Store locked up. Keep container tightly closed, in a cool, well ventilated place. Keep away from moisture. Ambient. Stable under normal conditions. Reducing agent, Oxidizing agents, Alkali metals. |





8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

| | |
|-------|-------------------------------------|
| 8.1 | Control parameters |
| 8.1.1 | Occupational Exposure Limits |

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| SUBSTANCE | CAS No. | LTEL (8 hr TWA ppm) | LTEL (8 hr TWA mg/m ³) | STEL (ppm) | STEL (mg/m ³) | 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/cm ³ |
| Bulk Density | Not available. |
| Solubility (Water) | Soluble. |
| Solubility (Other) | Not available. |
| Partition coefficient: n-octanol/water | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| 9.2 Other information | |

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| | |
|-------------------|---|
| 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.

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| | | |
|------|---|-----------------|
| 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)

Listed: Disodium tetraborate decahydrate (CAS No.: 1303-96-4)

Australian HVICL (High Volume Industrial Chemicals List)

Listed: Disodium tetraborate decahydrate (CAS No.: 1303-96-4)

NICNAS Priority Existing Chemical (PEC)

Not listed.

NPI (National Pollutant Inventory)

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.

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