

# Material Safety Data Sheet



This is not a controlled document. To obtain the most recent MSDS please go to [www.fueltrat.com](http://www.fueltrat.com)

## Hazardous Substance, NON-Dangerous Goods

### 1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **Diesel Fuel Biocide BC-250**

#### Synonyms:

	<b>Mancode</b>
Diesel Fuel Biocide BC-250, 100 mL	BC-250/100
Diesel Fuel Biocide BC-250, 100 mL X 24	BC-250/S
Diesel Fuel Biocide BC-250, 1 Litre	BC-250
Diesel Fuel Biocide BC-250, 1 Litre X 5	BC-250/B
Diesel Fuel Biocide BC-250, 10 Litres	BC-250/10
Diesel Fuel Biocide BC-250, 200 Litres	BC-250/D
Diesel Fuel Biocide BC-250, Bulk	BC-250/T

**Recommended use:** Multi-functional diesel additive for; cleaning fuel systems; helping to remove water from fuel and controlling microbial contamination.

**Supplier:** Fueltrat Australia Pty Ltd

**ABN:** 71 006 318 494

**Street Address:** 30-32 Temple Drive  
Thomastown VIC 3074  
Australia

**Telephone:** +613 9465-6011

**Facsimile:** +613 9464-0102

**Emergency telephone number:** +613 9465-6011 (Monday – Friday, 9am – 4pm AEST)

### 2. HAZARDS IDENTIFICATION

#### AUSTRALIA CLASSIFICATION

This material is hazardous according to health criteria of Safe Work Australia.

#### Hazard Category:

Xn Harmful  
Xi Irritant

#### Risk Phrase(s):

R36/38: Irritating to eyes and skin.  
R43: May cause sensitisation by skin contact.  
Repr. Cat. 3. R63: Possible risk of harm to the unborn child.

#### Safety Phrase(s):

S24/25: Avoid contact with skin and eyes.  
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

**Poisons Schedule (Aust):** Not applicable

# Material Safety Data Sheet



This is not a controlled document. To obtain the most recent MSDS please go to [www.fueltrat.com](http://www.fueltrat.com)

## NEW ZEALAND CLASSIFICATION

This material is hazardous according to health criteria of ERMA New Zealand

**ERMA Group Standard:** Fuel Additives (Combustible) Group Standard 2006; HSR002581

### HSNO Hazard Classification

- 6.3A Substances that are irritating to the skin
- 6.4A Substances that are irritating to the eye
- 6.5B Substances that are contact sensitisers
- 6.8B Substances that are suspected human reproductive or developmental toxicants

### Hazard Statement:

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H361 Suspected of damaging fertility or the unborn child.

### Prevention Statement:

- P103 Read label before use.
- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P261 Avoid breathing vapours.
- P264 Wash hands, face and all exposed skin thoroughly after handling.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective clothing, gloves, eye/face protection and suitable respirator.

## DANGEROUS GOODS CLASSIFICATION

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

Classified as a C1 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements.

## 3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO.	PROPORTION
Diethylene glycol monomethyl ether	111-77-3	>60%
5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (3:1)	55965-84-9	0.06 - 0.6%
Ingredients determined to be non-hazardous	-	Balance
		<hr/> 100%

# Material Safety Data Sheet



This is not a controlled document. To obtain the most recent MSDS please go to [www.fueltrat.com](http://www.fueltrat.com)

## 4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

**Inhalation:** Remove victim from 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. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have a qualified person give oxygen through a facemask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek immediate medical advice.

**Skin contact:** If skin or hair contact occurs, immediately remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a Doctor; or for 15 minutes and transport to Doctor or Hospital.

**Eye contact:** If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital.

**Ingestion:** Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

**Notes to physician:** Treat symptomatically. Effects may be delayed.

## 5. FIRE-FIGHTING MEASURES

**Specific hazards:** Combustible liquid.

**Fire fighting further advice:** On burning may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

**Hazchem Code:** Not applicable.

**Suitable extinguishing media:** If material is involved in a fire use water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

## 6. ACCIDENTAL RELEASE MEASURES

### SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

### LARGE SPILLS

Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of 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. If contamination of sewers or waterways has occurred advise local emergency services.

# Material Safety Data Sheet



This is not a controlled document. To obtain the most recent MSDS please go to [www.fueltrat.com](http://www.fueltrat.com)

**Dangerous Goods – Initial Emergency Response Guide No:** Not applicable.

## 7. HANDLING AND STORAGE

**Handling:** Avoid skin and eye contact and inhalation of vapour, mist or aerosols.

**Storage:** Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Store away from sources of heat or ignition. Keep containers closed when not in use - check regularly for leaks.

Classified as a C1 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**National occupational exposure limits:**

No value assigned for this specific material by Safe Work Australia or Department of Labour New Zealand.

**Biological Limit Values:** As per the “National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)” the ingredients in this material do not have a Biological Limit Allocated.

**Engineering measures:** Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.

**Personal protection equipment:** OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES.

Wear overalls, safety glasses and impervious gloves. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form / Colour / Odour:** Clear bright rose pink liquid with faint sweet odour

<b>Solubility:</b>	Soluble in water
<b>Specific Gravity (20 °C):</b>	1.03-1.04
<b>Relative Vapour Density (air=1):</b>	N Av
<b>Vapour Pressure (20 °C):</b>	N Av
<b>Flash Point (°C):</b>	93*
<b>Flammability Limits (%):</b>	N Av
<b>Autoignition Temperature (°C):</b>	N Av
<b>Melting Point/Range (°C):</b>	N Av
<b>Boiling Point/Range (°C):</b>	196-202*
<b>pH:</b>	N App
<b>Total VOC (g/Litre):</b>	N Av

\* Diethylene glycol monomethyl ether  
(Typical values only - consult specification sheet)  
N Av = Not available      N App = Not applicable

**Product name:** Diesel Fuel Biocide BC-250

**Substance Key:** FT000401

**Issued:** 4 May, 2014

**Version:** 2.0

**Page:** 4 of 6

# Material Safety Data Sheet



This is not a controlled document. To obtain the most recent MSDS please go to [www.fueltrat.com](http://www.fueltrat.com)

## 10. STABILITY AND REACTIVITY

**Chemical stability:** This material is thermally stable when stored and used as directed.

**Conditions to avoid:** Elevated temperatures and sources of ignition.

**Incompatible Materials:** Oxidising agents.

**Hazardous decomposition products:** Oxides of carbon and nitrogen, smoke and other toxic fumes.

**Hazardous reactions:** No known hazardous reactions.

## 11. TOXICOLOGICAL INFORMATION

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

### Acute Effects

**Inhalation:** Material may be irritant to mucous membranes and respiratory tract.

**Skin contact:** Contact with skin will result in irritation. A skin sensitiser. Repeated or prolonged skin contact may lead to allergic contact dermatitis.

**Eye contact:** An eye irritant.

**Ingestion:** Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

**Long Term Effects:** No information available for product.

### Acute toxicity / Chronic toxicity

No LD50 data available for the product.

## 12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

**Ecotoxicity:** No information available.

**Persistence and degradability:** No information available.

**Mobility:** No information available.

## 13. DISPOSAL CONSIDERATIONS

Refer to State/Territory Land Waste Management Authority.

# Material Safety Data Sheet



This is not a controlled document. To obtain the most recent MSDS please go to [www.fueltrat.com](http://www.fueltrat.com)

## 14. TRANSPORT INFORMATION

### ROAD AND RAIL TRANSPORT

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

### MARINE TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

### AIR TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

## 15. REGULATORY INFORMATION

**Poisons Schedule (Aust):** Not applicable

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

## 16. OTHER INFORMATION

### Literary reference

This Material Safety Data Sheet has been prepared by Chemical Data Services Pty Ltd ([chemdata.com.au](http://chemdata.com.au)) on behalf of its client.

Reason(s) For Issue: Revised

Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Fueltrat Australia Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.