SAFETY DATA SHEET - Turbifloc

ABN: 49 158 485 039
PO Box 199 | Peregian Beach QLD 4573
Unit 7, 8 Grebe St | Peregian Beach QLD 4573
t 07 5471 2290 | f 07 5302 6680
e info@turbid.com.au | w turbid.com.au

1. IDENTIFICATION OF MATERIAL AND SUPPLIER

Product Name: Turbifloc
Active ingredient: Chitosan
Supplier: TURBID PTY LTD

Emergency Contact Information

Telephone  (07) 5471 2290
Fax  (07) 5302 6680
Email info@turbid.com.au
Address 7/8 Grebe St, Peregian Beach QLD 4753
Poisons Information 
Centre Phone 13 11 26 from anywhere in Australia

2. HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE

Classified as: NOT HAZARDOUS according to the criteria of Safe Work Australia
Classified as NON-DANGEROUS GOODS by the criteria of Australian Dangerous Goods Code (ADG Code) for transport by road and rail.
Risk phrases: Not Hazardous – No criteria found
Safety phrases: None allocated
ADG Classification: None allocated. Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG criteria.
UN Number: None allocated

HAZARD STATEMENT:
May be irritating to eyes and skin

PREVENTION
P102: Keep out of reach of children.
P262: Do not get in eyes, on skin, or on clothing.
P281: Use personal protective equipment as required.

RESPONSE
P362: Take off contaminated clothing and wash before reuse.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313: If skin irritation occurs: Get medical advice.
P337+P313: If eye irritation persists: Get medical advice.
RESPONSE (cont) P370+P378: Not combustible. Use extinguishing media suited to burning materials
STORAGE P403+P233: Store in a well-ventilated place. Keep container tightly closed.
DISPOSAL Wearing protective equipment detailed above, and ensuring any ignition sources are eliminated, absorb with sodium carbonate - sodium bicarbonate, collect and dispose of to an approved landfill site. Contact the manufacturer/supplier for additional information (if required).

Legislation Dispose of in accordance with relevant local legislation.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS Number</th>
<th>EC Number</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Hazardous Ingredients</td>
<td></td>
<td>Not Available</td>
<td></td>
</tr>
<tr>
<td>Organic Polymer (s)</td>
<td>-</td>
<td>-</td>
<td>&lt;5%</td>
</tr>
<tr>
<td>Organic Acid (s)</td>
<td>-</td>
<td>-</td>
<td>&lt;2%</td>
</tr>
</tbody>
</table>

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other nonhazardous ingredients are also possible.

4. FIRST AID MEASURES

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

Skin contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

Inhalation: If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

Ingestion: For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.

5. FIRE FIGHTING MEASURES

Extinguishing media: Use an extinguishing agent suitable for the surrounding fire.
Flash point (°C): Material is non-flammable. May evolve toxic gases (acetic acid, hydrocarbons, carbon oxides) when heated to decomposition.
Special Procedures: None.
Unusual Procedures: None known.
Conditions to avoid: None known.
Decomposition products: May evolve toxic gases (acetic acid, hydrocarbons, carbon oxides) when heated to decomposition.
Advice for firefighters Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.
6. ACCIDENTAL RELEASE MEASURES

General Response: Personnel involved in the clean-up should wear appropriate protective clothing as listed in section 8. Slippery when spilt.

Clean Up Procedure: Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.

7. HANDLING & STORAGE

Handling: Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

Storage: Store in a cool, dry, well ventilated area, removed from incompatible substances and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Store as a Class C2 Combustible Liquid (AS1940).

Turbifloc has a shelf life of 12 months. Batches should be marked with production date and expiry date of 12months.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards: None Established

Engineering Controls: Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Maintain vapour levels below the recommended exposure standard.

Personal Protective Equipment: Respiratory Protection: General exhaust ventilation should be adequate.

Eye Protection: Wear splash-proof goggles

Skin and body protection: Disposable latex gloves, overalls or apron as appropriate. Rubber boots can be used in wet conditions but mainly as protection from the water

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear gel

Odour: Slight odour

Boiling point (°C): 100 °C approximately

Melting point (°C): 0 °C approximately

Specific Gravity (H2O = 1): 1 approximately

pH: 3.0 – 5 at 25°C

Vapour pressure (kPa): Not applicable

Relative vapour density: Not applicable
10. STABILITY AND REACTIVITY

| Chemical Stability                  | Stable under normal conditions of storage |
| Conditions to avoid:                | Avoid heat, sparks, open flames and other ignition sources. Keep containers tightly closed |
| Incompatible Materials              | Incompatible with oxidising agents (e.g. hypochlorites), alkalis (e.g. sodium hydroxide), heat and ignition sources. |
| Decomposition products:            | May evolve toxic gases (acetic acid, hydrocarbons, carbon oxides) when heated to decomposition. |
| Hazardous polymerization:          | Will not occur. |

11. TOXICOLOGICAL INFORMATION

| Acute Toxicity:                     | This product is expected to be of low toxicity. Based on available data, the classification criteria are not met. |
| Irritation:                         | |
| Skin:                               | Not classified as a skin irritant. Contact may result in mild irritation, redness, pain and rash. |
| Eyes                                | Not classified as an eye irritant. However, direct contact may result in mild irritation, lacrimation, pain and redness. |
| Chronic Toxicity:                   | No chronic effects |
| Aspiration:                         | Not classified as causing aspiration. |
| Target organs:                      | There is no date to hand indicating any particular target organs. |

12. ECOLOGICAL INFORMATION

| Ecotoxicity:                        | |
| Ecotoxicity screening carried out in February 2018 indicate the following EC 50 values were attained. |
| Eastern Rainbowfish (*Meloanotaenia splendida splendida*) | 96-hr EC50 = >100mg/L |
| Water flea (*Ceriodaphnia dubia*)   | 48-hr EC50 = >100mg/L When diluted at a 1 in 2 ratio |

Bio accumulative Potential:

Does not bio accumulate.

13. DISPOSAL CONSIDERATIONS

| Waste disposal method:               | Refer to local waste disposal authority. Wearing protective equipment detailed above, and ensuring any ignition sources are eliminated, absorb with sodium carbonate - sodium bicarbonate, collect and dispose of to an approved landfill site. Contact the manufacturer/supplier for additional information (if required). |
| Dispose of product 12 months after production/batch date |
## 14. TRANSPORT INFORMATION

This product does not carry a Dangerous Goods classification. NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA

<table>
<thead>
<tr>
<th>15. REGULATORY INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>All components are listed on AICS, or are exempt.</td>
</tr>
</tbody>
</table>

## 16. OTHER INFORMATION

This SDS was prepared in accordance with the Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals.

**Acronyms:**
ADG Code Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)
AICS Australian Inventory of Chemical Substances
SWA Safe Work Australia, formerly ASCC and NOHSC
CAS Number Chemical Abstracts Service Registry Number
Hazchem code Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC International Agency for Research on Cancer
NOS Not otherwise specified
NTP National Toxicology Program (USA)
R-Phase Risk Phrase
SUSMP Standard for the Uniform Scheduling of Medicines & Poisons
Un Number United Nations Number

**References cited:**
3. Registry of Toxic Effects of Chemical Substances (RTECS)

Revision 3: Issued 07 Sept 2018

This SDS summarizes to our best knowledge of health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. Please contact the company if any further information is required.