



® APEX CHEMICALS (S) PTE LTD

132 TUAS SOUTH AVENUE 2
WEST POINT BIZHUB, SINGAPORE 637171
TEL: 64835350 FAX: 64835359
E-mail: apexchem@singnet.com.sg

SAFETY DATA SHEET – PRODUCT NO. AFT-03

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name / Trade Name **AFT-03 FUEL BIOCID**
Recommended Application Fuel and Pre-Combustion Treatment.
Chemical Family Not applicable.
Chemical Formula Not applicable
Manufacturer / Supplier Apex Chemicals (S) Pte Ltd
 132 Tuas South Avenue 2
 West Point Bizhub, Singapore 637171
 Tel : (65) 6483 5350
 Fax : (65) 6483 5359
 Email : apexchem@singnet.com.sg

Emergency Phone Number (65) 6483 5350 Or Call Fire / SCDF 995
CAS # Mixture
Current Revision Date 16/04/2021

2. HAZARDS IDENTIFICATION



Contact with eyes : Risk of serious damage to eyes.
Contact with skin : Prolonged skin contact will result in defatting of the skin, leading to irritation and in some cases dermatitis.
Inhalation : In cases of severe exposure, anaesthesia may develop. May cause chronic pneumonitis.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

% by Weight Legend : Less than 10% = L, 10 to 60% = M, 60 to 100% = H		
Name	CAS #	% by Weight
5-chloro-2-methyl-2H-isothiazol-3-one mixture (MCIT/MIT)	55965-84-9	L

4. FIRST AID MEASURES

Eye Contact : Immediately flush eyes with plenty of water for at least 15 minutes. Irrigate eyes thoroughly whilst lifting eyelids. Seek immediate medical attention.
Skin Contact : Remove contaminated clothing immediately and drench affected skin with plenty of water. Seek medical attention if irritation persists. Contaminated clothing should be laundered before reuse.
Inhalation : Remove victim to open air. Seek medical attention if ill effects occur.



APEX CHEMICALS (S) PTE LTD

132 TUAS SOUTH AVENUE 2
WEST POINT BIZHUB, SINGAPORE 637171
TEL: 64835350 FAX: 64835359
E-mail: apexchem@singnet.com.sg

SAFETY DATA SHEET – PRODUCT NO. AFT-03

- Ingestion** : Do not induce vomiting because of the risk of aspiration into the lungs. Obtain immediate medical attention if aspiration is suspected. Turn person on side if vomiting occurs. Give about 200-300mls (half pint) of water to drink. Seek immediate medical attention.
- General** : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

5. FIRE FIGHTING MEASURES

- In case of fire, use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide,
- Smoke from fire is toxic, nitrogen and carbon oxides may be formed,
- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback,
- Prevent run off water from entering drains if possible.

6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions** : Wear protective clothing as per Section 8.
- Environmental Precautions**
- Do not flush split material into any public water system,
 - Use appropriate containment to avoid environmental contamination,
 - Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback.
- Immediate Actions** : Contain spillage by any means possible.
- Clean Up Actions**
- Absorb spillage in inert material and shove up,
 - Ventilate the area and wash spill site after material pick-up is complete.
- Special Precautions**
- Do not allow to enter public sewers or watercourses,
 - Wear protective clothing as per Section 8.

7. HANDLING AND STORAGE

- Handling**
- Avoid contact with skin or eyes,
 - Eyewash bottles should be available,
 - Refer to Section 8.
- Storage**
- Keep in a well-ventilated place. The product as supplied may evolve gas (largely carbon dioxide) slowly. To prevent the buildup of pressure the product is packaged in specially vented containers, where necessary. Keep this product in the original container when not in use. Container must be stored and transported in an upright position to prevent spilling the contents through the vent, where fitted. Do not store this material in containers made of the following: steel Do not store this material near food, feed or drinking water.
- CONTAINERS MAY BE HAZARDOUS WHEN EMPTY. Since emptied containers retain product residue follow all (M)SDS and label warnings even after container is emptied.

Storage stability

Storage temperature: 1 - 55 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Exposure Controls** The undiluted product must not be used in a confined space without good ventilation.
- Occupational Exposure Controls**
- Respiratory protection may be required under exceptional circumstances when excessive air contamination exists,
 - Wear suitable protective clothing, including eye/face protection and gloves.



® APEX CHEMICALS (S) PTE LTD

132 TUAS SOUTH AVENUE 2
WEST POINT BIZHUB, SINGAPORE 637171
TEL: 64835350 FAX: 64835359
E-mail: apexchem@singnet.com.sg

SAFETY DATA SHEET – PRODUCT NO. AFT-03

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear Yellow liquid.
Odor	Mild.
pH	2.0 – 5.0.
Boiling Point	>100°C
Melting Point	Not known
Flash Point	> 110 °C (CC)
Upper Explosive Limit (UEL)	No data available
Lower Explosive Limit (UEL)	No data available
Vapor Density	> 1 (Air =1)
Specific Gravity	1.0 – 1.10 (water = 1)
Solubility	Partially soluble in water
Auto-Ignition Point	No Information

10. STABILITY AND REACTIVITY DATA

This product is considered stable under normal conditions. Keep away from naked flames, incandescent or hot surfaces. Please read Section 5 for more details.

11. TOXICOLOGICAL INFORMATION

Toxicological Information : No experimental data available.

Eyes Contact : Risk of serious damage to eyes.

Skin Contact : May cause redness and irritation.

Inhalation : Inhalation of solvent vapours may give rise to nausea, headaches and dizziness. In case of severe exposure, nausea/vomiting may develop.

Ingestion : The ingestion of significant quantities may cause damage to lungs.

Carcinogenicity : No evidence of carcinogenic effects.

12. ECOLOGICAL INFORMATION

Eco-toxicity

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Mobility

Partially soluble in water.

Persistence and Biodegradability

Most components in this product are not readily biodegradable.

Bioaccumulation Potential

Hydrocarbon solvents have the potential to bioaccumulate.

Other Adverse Effects

No environmental problems are expected when the product is used/handled correctly. In its intended use, the product will not be released into the environment.



® APEX CHEMICALS (S) PTE LTD

132 TUAS SOUTH AVENUE 2
WEST POINT BIZHUB, SINGAPORE 637171
TEL: 64835350 FAX: 64835359
E-mail: apexchem@singnet.com.sg

SAFETY DATA SHEET – PRODUCT NO. AFT-03

13. DISPOSAL CONSIDERATIONS

Classification : This product and/or its container must be disposed of as hazardous waste.
EU Waste Class : 07.01

Disposal Considerations : Do not discharge into drains or the environment, dispose to an authorized waste collection point.
- Disposal should be in accordance with local, state or national legislation.

14. TRANSPORT INFORMATION

UN Number 2922

UN Proper Shipping Name Corrosive Liquids, toxic, n.o.s (5-chloro-2-methyl-4-isothiazolin-3-one)

Transport Hazard Class(es) 8

Packing Group II

Maritime Transportation Not available

Special Provisions for Transport Not available

15. REGULATORY INFORMATION AND PICTOGRAMS

IMDG Labels Marine Pollutant.



Hazard Symbol

Other Classifications

Risk Phrases

R22 – Harmful if swallowed.
R36/37/38 – Irritating to eyes, respiratory system and skin.
R41- Risk of serious damage to eyes.
R51- Toxic to aquatic organisms.
R52 - Harmful to aquatic organisms.
R53 - May cause long term adverse effects in the aquatic environment.
R65 – Harmful: may cause lung damage if swallowed.

Safety Phrases

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 - Wear suitable protective clothing, eye/face protection and gloves.
S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show the container or label.

16. OTHER INFORMATION

Last Revision Date Issued April 2021

Contact Information Apex Chemicals (S) Pte Ltd
132 Tuas South Avenue 2
West Point Bizhub, Singapore 637171

NOTICE TO READER

To the best of our knowledge, the information contained herein is believed to be accurate and reliable. It is the user's obligation to evaluate and use this product safely and comply with all applicable laws and regulations. The above-named supplier and its vendor makes no other warranty or representations of any kind or implied, concerning the product including no implied warranty of merchantability. The product is offered solely for your consideration, investigation and verification. No license or immunity under any patents is granted or implied.



® APEX CHEMICALS (S) PTE LTD

132 TUAS SOUTH AVENUE 2
WEST POINT BIZHUB, SINGAPORE 637171
TEL: 64835350 FAX: 64835359
E-mail: apexchem@singnet.com.sg

SAFETY DATA SHEET – PRODUCT NO. AFT-03

All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.