



SHANDONG AILITONG NEW MATERIAL CO.,LTD
TEL:86-0536-3226266 FAX:86-0536-3883362

MATERIAL SAFETY DATA SHEET

ALT-MIT

Section I Chemical Product & Company Information

Product Name: ALT-MIT

Co.: SHANDONG AILITONG NEW MATERIAL CO.,LTD.

ADD: ZHONGJIA VILLAGE,PUTONG TOWN,QINGZHOU CITY SHANDONG CHINA

Issued by:SHANDONG AILITONG NEW MATERIAL CO.,LTD.

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Section II Composition/Information on Ingredients

Description:

Use ALT-MIT microbicide to prevent the growth of bacteria, fungi, and algae in a variety of water treatment and pulp and paper applications.

PROPERTIES:

Item	Specifications
Appearance	Light amber clear liquid
Active content,%	9.5% Min
Specific Gravity (20℃)	1.01~1.09
pH	2.0~5.0

Section III Hazards Identification

Eye Contact: May irritate eyes

Skin Contact: May irritate skin

Inhalation: May irritate respiratory system

PRIMARY ROUTES OF ENTRY: SKIN CONTACT, EYE CONTACT,
INHALATION, INGESTION.

EFFECTS OF OVEREXPOSURE: Based upon information available for this material, and closely related materials, it is anticipated that this material will produce mild skin irritation and moderate eye irritation upon direct contact, and inhalation may produce irritation to the mucous membranes. Therefore, repeated contact should be avoided.

OVEREXPOSURE MAY AGGRAVATE EXISTING CONDITIONS:May
cause allergic response in persons.



Section IV First Aid Measures

Skin: Wash with soap and water. If irritation develops, seek medical attention.
Eyes: Flush with water for 15 minutes, if irritation develops, seek medical attention.
Inhalation: Remove to fresh air. If not breathing, clear airway and start artificial respiration. If victim is having trouble breathing, administer oxygen or artificial respiration as needed. Get immediate medical attention.
Ingestion: If swallowed, give 3-4 glasses of water but do not induce vomiting. If vomiting does occur, give fluids again. Get medical attention to determine whether vomiting or evacuation of stomach is necessary. Do not give anything by mouth to an unconscious or convulsing person.

Section V Fire Fighting Measures

FLASH POINT: >200 F
AUTO IGNITION TEMPERATURE: Not known
LOWER EXPLOSION LIMIT (%): Not applicable
UPPER EXPLOSION LIMIT (%): Not applicable
EXTINGUISHING MEDIA: FOAM, CO₂, DRY CHEMICAL, WATER
SPECIAL FIRE FIGHTING PROCEDURES: Must wear NIOSH/MSHA approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray.

Section VI Accidental Release Measures

General Information: Use proper personal protective equipment
Spills / Leaks: Caution, floors may become slippery. Use appropriate protective equipment and NIOSH / MSHA approved respirator where mists or vapours of unknown concentrations may be generated (self-contained breathing apparatus preferred). Warning! When spilled, and liquid spreads over a large area, irritating levels of gaseous may be released. In such cases, self contained breathing apparatus should be used. Dike and contain spill with inert material (Sand, Earth, Etc.,) and transfer the liquid and soil separately to containers for recovery or disposal. Keep spill out of sewers and open bodies of water.

Section VII Handling and Storage

PRECAUTIONS FOR STORAGE AND HANDLING: Store at or near room temperature. Keep containers tightly closed until used. Preparation of formulations with this material should be carried out in closed vessels. While formulating under these conditions, temperatures as high as 80 C can be tolerated for a short period of time.

Section VIII Exposure Controls/Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use process enclosure, local



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exhaust ventilation, or other engineering controls to control airborne levels.

Personal Protective Equipment

Ventilation: In process where mists or vapors may be generated, proper ventilation must be provided in accordance with good ventilation practices.

Respiration Protection: In process where mists or vapors may be generated, a NIOSH/MSHA jointly approved respirator is advised in the absence of proper environmental controls.

Protective Clothing: Rubber or neoprene gloves, when needed, to prevent skin contact. Long sleeves, coveralls or other appropriate clothing, when needed, to prevent skin contact.

Eye Protection: Wear chemicals splash goggles where there is a potential for eye contact. Use safety glasses with side shields under normal use conditions.

Other Protective Equipment: Eye wash station, safety shower in work area.

Section IX Physical and Chemical Properties

Appearance: Light amber clear liquid

Molecular Weight: 115.15

Formula: C_4H_5NOS

pH: 2.0~5.0

Solubility: Soluble in water

Specific Gravity: 1.01~1.09 @ 25°C

Section X Stability and Reactivity

Stability: Stable

Incompatibility (Material to avoid): Avoid contact with strong oxidizing agents.

Strong acids and alkalis (stable between pH 3 and 12).

CONDITIONS TO AVOID: Temperatures above 90°C.

Hazards Polymerization: Will not occur

Section XI Toxicological Information

Oral LD50 (Rat): 3141 mg/kg

Dermal LD50 (rabbit): >2000 mg/kg

Eye irritation (rabbit – EPA method): Mild to moderate irritation that cleared by day 7, post dose.

Skin irritation (rabbit – EPA method): Moderate irritation that cleared by day 7, post dose.

Inhalation LC50 (rat, 4 hours): >2.09 mg/liter

Skin sensitization (guinea pig – Buehler test): Not a sensitizer.

Section XII Ecological Information

Other: No information available

Section XIII Disposal Considerations



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Dispose of in compliance with all federal, state and local laws and regulations.

Incineration is the preferred method.

Section XIV Transport Information

IATA: Not regulated as a hazardous material

IMO: Not regulated as a hazardous material

RID / ADR: Not regulated as a hazardous material

Section XV Regulatory Information

European / International Regulations

European Labeling in accordance with EC Directives

Hazard Symbols: Not available

Tonic Substances Control Act (TSCA Inventory) Status: This product is currently listed on the EPA TSCA 8(b) inventory list.

OSHA Hazard Communication Standard: This material is not a hazardous chemical as defined by the U.S. OSHA Hazard Communication standard.

US FDA Regulation on Cosmetics: This material is regulated by the US Food and Drug Administration (FDA) as a cosmetic ingredient. It can only be used as a preservative for cosmetic formulations.

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act of 1980 requires notification of the National Response Center in the event of a release of quantities of the following hazardous materials contained in this product, if the release is equal to or greater than the Reportable Quantities (RQs) listed in 40 CFR 302-4:

Section XVI Other Information

While AILITONG NEW MATERIAL COMPANY LTD. believes the data set forth herein are accurate as of the date hereof, it is furnished without warranty of any kind and specially disclaims all liability for reliance on the information provided. The data is furnished solely for your consideration, investigation and verification. Since the conditions of handling and use are beyond our control, we make no guarantee of results and assume no liability for damage incurred by use of this material. It is the responsibility of the user to comply with all applicable laws and regulations.