
Phoenix Products
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PRODUCT NAME: ALGAE BOMB

MATERIAL SAFETY DATA SHEET
rev. 1/10/05
11/05/03

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SECTION I - IDENTIFICATION

CHEMICAL NAME & SYNONYMS: Alkali metal halide
FORMULA: NaBr
TRADE NAME: Algae Bomb
DESCRIPTION: White odorless crystalline solid, hydroscopic, but not deliquescent.
CAS NO. 7647-15-6

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SECTION II - PHYSICAL DATA

Boiling Point: 1390°C
Vapor Pressure: 1mm Hg @ 806°C
% Volatile by Volume: N/A
Solubility in water: 95 g/100g @ 25°C
Freezing Point: N/A
Specific Gravity (H₂O=1): 3.21
Vapor Density: N/A
Evaporation Rate: N/A

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SECTION III - FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A
Autoignition Temp: N/A
Flammable Limits in Air % By Volume: N/A
Extinguishing Media: Use media appropriate for surrounding fire.
Special Fire Fighting Procedures: Cool containers with water spray. In closed stores, provide fire-fighters with self contained breathing apparatus. (In pressure demand or other positive pressure mode.)
Unusual Fire and Explosion Hazards: From ~ 800°C will decompose, releasing toxic bromine fumes.

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SECTION IV - HEALTH HAZARD DATA

Threshold limit value: None established.
EFFECTS OF OVEREXPOSURE: Slight irritation to eyes, skin and mucous membranes, respiratory tract and gastrointestinal tract.
EFFECTS OF CHRONIC EXPOSURE: None expected at use concentrations.

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SECTION V - EMERGENCY AND FIRST AID PROCEDURE

INHALATION: Remove patient to fresh air, call a physician.
SKIN: Flush with water for 15 minutes. Call a physician.
EYE: Flush with water for 15 minutes. Call a physician.
INGESTION: Drink large quantities of water, induce vomiting by placing finger to back of throat. Consult a physician.

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SECTION VI - TOXICOLOGY

Acute Oral LD50 (rat): 4200mg/kg
Acute Dermal LD50 (rabbit): 2000 mg/kg
Carcinogenic: Not known to be.
Mutagenic: Not known to be.

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SECTION VII - REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Heating above 800°C
Incompatibility (materials to avoid): Will react violently with Bromine Trifluoride

Hazardous Decomposition: From ~ 800°C toxic, irritant bromine fumes are released.

Hazardous Polymerization: N/A

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SECTION VIII - SPILL, LEAKAGE & DISPOSAL PROCEDURES

Steps to take if material leaks or spills: Use dust respirator, rubber gloves and protective goggles with side shields. Prevent dusting, shovel into intact packaging for possible re-use or dilute with water and drain to sewer with ample water.

Waste disposal method: Put into a large vessel containing water and drain into sewer with ample water. dispose of in compliance with all Federal, State and Local regulations.

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SECTION IX - SPECIAL PROTECTION DATA

Ventilation: Local Exhaust: Required where exposure to dust might occur.

Eye Protection: Wear goggles or safety glasses with side shields.

Respiratory Protection: Use an NIOSH approved respirator when necessary.

Protective Gloves: Wear impervious gloves.

Other Equipment: Wear coveralls and impervious boots.

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SECTION X - SPECIAL PRECAUTIONS DATA

Handling and Storage: Do not get in eyes, on skin or clothing. Do not take internally. Avoid breathing dust. Protect against physical damage. Store in cool, dry well-ventilated place away from flammable liquids, combustible or oxidizable materials..

Other: Drums may be ruptured if contents are overexposed to heat, becomes contaminated or wet. Avoid prolonged storage in unventilated areas at hot summer temperatures

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SECTION XI - TRANSPORTATION INFORMATION

This material is not a hazardous material and is not regulated by the D.O.T. For all transportation accidents, call Pers .

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The information herein is given in good faith but no warranty, expressed or implied, is made.

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