

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT and COMPANY IDENTIFICATION

Arch Chemicals, Inc.

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For MSDS Questions: 1-800-511-MSDS
Emergency telephone: (800) 654-6911

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MSDS No.: 150000020261
Rev:
PC:

For a transport accident or leak, fire or major spill, call **CHEMICAL EMERGENCY RESPONSE CENTER** (800) 424-9300.

Material Name: Performance Algicide
Product Name: BAQUACIL® Performance Algicide
POOL BREEZE® Algicide 60
POOL BREEZE Advantage Algicide

Read the entire MSDS for a complete hazard assessment.

SECTION 2: COMPOSITION/INFORMATION on INGREDIENTS*

<u>CAS Number</u>	<u>% Conc⁺</u>	<u>Ingredient Name</u>
031512-74-0	60.0	Poly[oxyethylene (dimethyliminio) ethylene (dimethyl-iminio) ethyl
No Data	40.0	Inerts

*Ingredients not precisely identified are either proprietary or nonhazardous.
Values are not product specifications. ⁺ Percent concentration by weight.

SECTION 3: HAZARDS IDENTIFICATION*

*As defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
See Section 8 for exposure guidelines & Section 11 for toxicology and ingredient specific information.

***** **EMERGENCY OVERVIEW** *****

CLEAR, PALE YELLOW LIQUID. MILD ODOR.
TOXIC BY INHALATION. EYE IRRITANT.
CORROSIVE TO THE RESPIRATORY TRACT.

POTENTIAL HEALTH HAZARDS

Eye: This product contains a component(s) which is eye irritant based on commercially available information.

Skin: The acute dermal toxicity of this product is greater than 1000 mg/kg. This product is not toxic by skin absorption.

MSDS (continued) Performance Algicide

Inhalation: This product is toxic by inhalation. Vapors and aerosols are probably corrosive to respiratory passages, and may cause ulcerations of nose, throat and larynx. May lead to pulmonary edema, chemical pneumonia and death.

Ingestion: The acute oral toxicity of this material is between 500 and 5000 mg/kg. Relative to other materials, this material is classified as slightly toxic by ingestion.

SECTION 4: FIRST AID MEASURES

General First Aid Procedures

Eyes:

Immediately flush with plenty of water for at least 15 minutes. If redness, itching, or a burning sensation develops, have eyes examined and treated by medical personnel.

Skin:

Wash off of skin with plenty of soap and water. If redness, itching or burning sensation develops, get medical attention. Wash contaminated clothing and decontaminate footwear before reuse.

Ingestion:

DO NOT INDUCE VOMITING. Give one or two glasses of water to drink and refer to medical personnel or take direction from either a physician or a poison control center. Never give anything by mouth to an unconscious person.

Inhalation:

Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is labored, give oxygen. Consult medical personnel.

Note to Physician:

Medical personnel should evaluate persons with chronic pulmonary disease before those workers handle this product. Exposed individuals should be monitored for respiratory distress, bronchitis or pneumonia.

SECTION 5: FIRE FIGHTING MEASURES

Flammable Properties

Flash Point: Does not flash
Upper Flammability Limit (UEL): No Data
Lower Flammability Limit (LEL): No Data
Autoignition Temperature: No Data

Products of combustion:

Combustion products: Carbon oxides, nitrogen oxides.

Extinguishing media:

Water fog, foam, carbon dioxide, dry chemical, halogenated agents.

MSDS (continued) Performance Algicide

Fire fighting instructions:

Wear self-contained breathing apparatus with full facepiece and protective clothing.

Unusual fire and explosion hazards:

Possible toxic smoke, vapors, fallout and runoff water can result from fires depending on extent of combustion and presence of other combustible materials. Contaminated buildings, areas, and equipment must be properly decontaminated before reuse.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill procedures:

Ventilate spill area.

Wear eye and respiratory protection during cleanup.

Contain spill.

Soak up material with absorbent and shovel into a chemical waste container.

This material is harmful to aquatic organisms. Releases to natural waters should be reported to appropriate water pollution control authorities.

Releases of untreated effluent to the sewer should be immediately reported to the public treatment works.

SECTION 7: HANDLING and STORAGE

Handling:

Avoid breathing vapors or aerosols.

Prevent eye contact.

Storage:

Store in a cool area with good ventilation.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure guidelines:

No ACGIH TLV or OSHA PEL assigned to this product. Minimize exposure in accordance with good hygiene practice.

Engineering controls:

Use permitted ventilation adequate to maintain safe levels.

PROTECTIVE EQUIPMENT

Respiratory protection:

If needed, use NIOSH certified respirator for organic vapors, mists and fumes.

Protective clothing:

Impervious gloves and apron.

Eye protection:

Chemical tight goggles.

MSDS (continued) Performance Algicide

Other:

Eyewash station in work area.

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

Physical State: Liquid
Appearance: Clear, pale yellow
Odor: Mild
Odor Threshold: No Data
Boiling Point: > 212°F, 100°C
Decomposition Temperature: No Data
Melting Point: No Data
Vapor Pressure (mm Hg at 20°C): No Data
Vapor Density (air = 1): No Data
Solubility in Water: Soluble
Solubility in Other: Insoluble in most organic solvents
Octanol/Water Partition Coefficient: No Data
pH: 7.00 Range
Specific Gravity: 1.15 g/mL
Bulk Density: No Data
% Volatile by Volume: No Data
VOC (%): No Data
Viscosity: No Data

SECTION 10: STABILITY and REACTIVITY

Chemical Stability
Stable under normal conditions.

Conditions to avoid:
None known.

Incompatibility:
Anionic polymers.

Hazardous polymerization:
Not known to occur.

Hazardous decomposition products:
Carbon oxides, nitrogen oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

Contact the addressee in Section 1 for product toxicology information.

Other effects of overexposure:

A two-year rat carcinogenicity study showed a slight increase in c-cell adenomas in female rats. Studies with male rats and male and female mice did not show any evidence of carcinogenic response. This product is not considered a carcinogen.

Regulated carcinogen(s):

This product contains no components present at concentrations equal to or greater than 0.1% listed by IARC, OSHA, NTP or ACGIH as a carcinogen.

MSDS (continued) Performance Algicide
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SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

48 Hr. LC50: Daphnia Magna 0.37 mg/L. 96 Hr. LC50's: Fathead minnow
0.43 mg/L; Bluegill sunfish 0.34 mg/L; Rainbow trout 0.47 mg/L.

Environmental fate:

No Data

Other:

Mallard ducks..805 mg/kg LD50; Bobwhite quail...1,100 mg/kg LD50; Mallard
ducks..>5620 ppm LC50; Bobwhite quail..>20,000 ppm LC50.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal method:

This material is toxic to fish and wildlife. Do not contaminate waterways
by cleaning of equipment or by disposal of wastes. Untreated effluent
should not be discharged where it will drain into waterways.
Dispose of properly.

Container disposal:

Empty container retains product residue. Observe all hazard precautions.
Do not distribute, make available, furnish or reuse empty container except
for storage and shipment of original product. Remove all product residue.
Puncture or otherwise destroy empty container and dispose of in a facility
permitted for nonhazardous waste.

SECTION 14: TRANSPORT INFORMATION

Not regulated by the US DOT.

SECTION 15: REGULATORY INFORMATION

TSCA (Toxic Substances Control Act):

All ingredients are on the TSCA Chemical Substances Inventory.

SARA Title III (Emergency Planning and Community Right-To-Know Act):

313 Reportable ingredients:

This product does not contain any chemicals subject to the reporting
requirements of SARA Section 313.

California Proposition 65:

WARNING. This product contains a chemical known to State of California
to cause cancer and birth defects or other reproductive harm.

Canadian Regulations:

CEPA (Canadian Environmental Protection Act): All ingredients NOT
confirmed on the DSL (Domestic Substances list).

WHMIS Classifications:

Class D, Division 2B, Toxic.

MSDS (continued) Performance Algicide
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SECTION 16: OTHER INFORMATION

We assigned NFPA and HMIS ratings to this product based on the hazards of its ingredient(s). Because the customer is most aware of the application of the product, he must ensure that the proper personal protective equipment (PPE) is provided consistent with information contained in the product MSDS.*

NFPA Rating:

Health: 1
Fire: 1
Reactivity: 1
Special: No Data

HMIS Rating:

Health: 1
Fire: 1
Reactivity: 1
**Personal Protection: No Data

*This information is intended solely for the use of individuals trained in the particular hazard rating system.

**See appropriate MSDS section.

Revision status:

Version number: 0009
MSDS Version date: 11/30/98
Revision: No Data

Issue date: 10/30/02
Revision: 08/31/05

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

Prepared by: TW/EL
Approved by: TW/KRB/BGH
Approval dates: 10/19/98; 11/12/99

THE PRODUCT NAMES LISTED ARE TRADEMARKS OF ARCH CHEMICALS, INC. OR ITS AFFILIATED COMPANIES.

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This MSDS was prepared by the Safety, Health and Environment Group of at 501 Merritt, Norwalk, CT 06856. For further questions, call during regular business hours at 1-800-511-MSDS.