

MATERIAL SAFETY DATA SHEET

MSDS

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Date-Issued: 09/27/1997
MSDS Ref. No: SREG23082
Date-Revised: 08/28/2000
Revision No: 3

Regal Algaecide 50

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Regal Algaecide 50
GENERAL USE: Swimming pool algaecide.
CHEMICAL FAMILY: Mixture

MANUFACTURER

Alliance Packaging, Inc.
109 Northpark Blvd., Suite 400
Covington, LA 70433-5001
Customer SERVICE: (800) 959-7946

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (Transportation) (800) 424-9300
Medical (800) 255-3924

COMMENTS:

EPA Registration Number: 42177-35

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS#</u>	<u>Wt.%</u>
N-alkyl (C12-18)-N,N,-dimethyl-N-benzylammonium chloride	68391-01-5	49.8
N,N-dialkyl (C12-18)-N-methyl-N-benzylammonium chloride	73049-75-9	0.2
Isopropyl alcohol	67-63-0	10

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE:
Blue liquid.

IMMEDIATE CONCERNS:

DANGER: Corrosive. Causes severe eye and skin damage. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Avoid contamination of food.

POTENTIAL HEALTH EFFECTS

EYES:

DANGER: Corrosive. Causes severe eye damage. Do not get in eyes.

SKIN:

DANGER: Corrosive. Causes skin damage. Do not get on skin.

INGESTION:

Harmful or fatal if swallowed.

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INHALATION:

May be irritating to nose and throat. Avoid breathing vapors.

CHRONIC:

There are no known chronic hazards.

ROUTES OF ENTRY:

Skin Contact, Inhalation, Ingestion, Eye Contact.

4. FIRST AID MEASURES

EYES:

If contact with eyes occurs: Immediately flush with cold water for at least 15 minutes. Then get immediate medical attention.

SKIN:

If contact with skin: Rinse off excess chemical and flush skin with cold water for at least 15 minutes. If skin irritation develops, seek immediate medical attention.

INGESTION:

If swallowed: Drink large amounts of water. Do not induce vomiting. Avoid alcohol. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Call a physician or poison control center immediately.

INHALATION:

If inhaled: Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If not breathing, give artificial respiration. Call a physician immediately.

NOTES TO PHYSICIAN:

Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shocks as well as oxygen and measures to support breathing manually or mechanically may be needed. If persistent, convulsions may be controlled by the cautious intravenous injection of a short-acting barbiturate drug.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: 38°C (100°F) SETA Flash CC

GENERAL HAZARD:

Products of combustion are toxic. Heated solvent vapors can travel to an ignition source and flash back.

EXTINGUISHING MEDIA:

Water fog, carbon dioxide, dry chemical, or foam.

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FIRE FIGHTING EQUIPMENT:

Firefighters should wear full protective clothing and self contained breathing apparatus (SCBA). Thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident.

HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition may produce toxic vapors/fumes of hydrogen chloride, amines and other organic materials, and oxides of carbon and nitrogen.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES:

STEP TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Utilizing appropriate clothing and safety equipment, contain spill material. Cover the liquid with an inert absorbent. Using clean, dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place into clean dry plastic containers for disposal. Dispose of according to local, state and federal regulations.

7. HANDLING AND STORAGE

GENERAL PROCEDURES:

Avoid contact with eyes, skin or clothing. Avoid breathing vapors.

HANDLING:

Mix only with water. Never add water to product. Always add product to large quantities of water. Do not mix with other chemicals. Use clean dry utensils. Do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion.

STORAGE:

Keep this product in original tightly closed container when not in use. Store in a cool, dry, well ventilated area away from heat or open flame. Do not reuse container, but place in trash collection. Rinse thoroughly before discarding in trash.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

		EXPOSURE LIMITS					
		OSHA PEL ppm	OSHA PEL mg/m ³	ACGIH TLV ppm	ACGIH TLV mg/m ³	SUPPLIER OEL ppm	SUPPLIER OEL mg/m ³
N-alkyl (C12-18)-N,N,-dimethyl-N-benzylammonium chloride	TWA	N/E ^[1]		N/E			
N,N-dialkyl (C12-18)-N-methyl-N-benzylammonium chloride	TWA	N/E		N/E			
Isopropyl alcohol	TWA	400	983	400	983		
	STEL	500		500	1230		

OSHA TABLE COMMENTS:

1. N/E = Not Established

ENGINEERING CONTROLS:

General room ventilation plus local exhaust should be used to maintain exposure below TLV.

PERSONAL PROTECTIVE EQUIPMENT:

EYES AND FACE:

Wear goggles or safety glasses with side shields when handling this product.

SKIN:

Wear rubber gloves when handling this product. Avoid contact with skin.

RESPIRATORY:

Respirator protection is not normally required under routine use conditions. If product is used in an area with poor ventilation or dust is expected, a respirator that meets OSHA/ANSI standards may be required.

WORK HYGIENIC PRACTICES:

Remove and wash contaminated clothing before reuse.

OTHER USE PRECAUTIONS:

Facilities storing or utilizing this material should be equipped with an eyewash and safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Almondy

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APPEARANCE: Clear
COLOR: Blue
pH: 6.7 to 6.9
VAPOR PRESSURE: Not Determined
VAPOR DENSITY: Not Determined
BOILING POINT: Not Determined
MELTING POINT: Not Available
SOLUBILITY IN WATER: Miscible in Water
SPECIFIC GRAVITY: 0.96 (water=1)
VISCOSITY: <100cps

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID:

Keep away from sparks and flames.

STABILITY:

This product is stable under normal conditions.

POLYMERIZATION:

Hazardous polymerization will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition may produce toxic vapors/fumes of hydrogen chloride, amines and other organic materials, and oxides of carbon and nitrogen.

INCOMPATIBLE MATERIALS:

Other swimming pool/spa chemicals in their concentrated forms. Oxidizing compounds.

11. TOXICOLOGICAL INFORMATION

ACUTE

DERMAL LD₅₀: >2000 mg/kg of body weight in rabbits.

ORAL LD₅₀: 515 mg/kg of body weight in rats

EYE EFFECTS:

This product is corrosive to eyes.

SKIN EFFECTS:

This product is corrosive to skin.

CARCINOGENICITY:

This product is not listed as a carcinogen by IARC.

This product is not listed as a carcinogen by NTP.

This product is not listed as a carcinogen by OSHA.

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12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:

This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds or estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:

Pesticide wastes are toxic. Improper disposal of excess pesticide or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance. Do not contaminate water, food, or feed by storage or disposal or cleaning of equipment. Do not put product, spilled product, or filled or partially filled containers into the trash or waste compactor. Contact with incompatible materials could cause a reaction or fire.

PRODUCT DISPOSAL:

Dispose of unused, uncontaminated product in compliance with local, state and federal regulations.

EMPTY CONTAINER:

Do not reuse container. Rinse thoroughly before discarding in trash.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Disinfectant, Liquid, Corrosive, N.O.S. (Contains Quaternary Ammonium Compound)

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: 1903

PACKING GROUP: II

OTHER SHIPPING INFORMATION: Limited Quantity

CANADA TRANSPORT OF DANGEROUS GOODS

PROPER SHIPPING NAME: Disinfectant, Liquid, Corrosive, N.O.S. (Contains Quaternary Ammonium Compound)

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: 1903

PACKING GROUP: II

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COMMENTS:

Limited Quantitiy

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: This product or its components are not listed.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: This product or its components are not listed.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: This product contains the following chemicals substances subject to the reporting requiements of TSCA 12(b) one-time export notification substances (Section 4) if exported from the United States:

Isopropyl Alcohol CAS # 67-63-0

TSCA STATUS: This product or its components are listed on the TSCA Inventory.

OSHA HAZARD COMM. RULE:

Product is hazardous by definition of the Hazardous Communication Standard.

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT):

This product is a registered pesticide.

CLEAN AIR ACT

40 CFR PART 68—RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION: Isopropyl alcohol is subject to Clean Air Act Section 111 Volatile Organic Compounds.

STATE REGULATIONS

PROPOSITION 65 STATEMENT:

NOTICE: This product contains benzene (CAS # 71-43-2), benzyl chloride (CAS # 100-44-7), N-nitrosodimethylamine (CAS # 62-75-9), and propylene oxide (CAS # 75-56-9), chemicals known to the State of California to cause cancer.

NOTICE: This product contains toluene (CAS # 108-88-3), a chemical known to the State of California to cause reproductive toxicity.

16. OTHER INFORMATION

PREPARED BY: Regulatory Affairs

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REVISION SUMMARY

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This MSDS replaces the March 29, 2000 MSDS. Any changes in information are as follows:

In Section 1

Prepared By

In Section 14

DOT Proper Shipping Name DOT UN/NA Number DOT Packing Group Other DOT Shipping Information TDG Primary Hazard Class/Division TDG Packing Group Section 14 Footnotes TDG UN/NA Number TDG Proper Shipping Name

NFPA CODES

HEALTH: 3 FIRE: 2 REACTIVITY: 0

HMIS CODES

HEALTH: 3 FIRE: 2 REACTIVITY: 0 PROTECTION: B

MANUFACTURER DISCLAIMER:

IMPORTANT: This information is given without a warranty or guarantee. No suggestions for use are intended or shall be construed as a recommendation to infringe any existing patents or violate any Federal, State or local laws. Safe handling and use is the responsibility of the customer. Read the label before using this product. This information is true and accurate to the best of our knowledge.
