



P.O. BOX 11331 • CINCINNATI, OHIO 45211
(513) 353-3000 • FAX (513) 353-1090

2150
1-2150
2150M

Material Safety Data

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION Page 1 of 4

PRODUCT NAME: MAINTAIN 50% ALGAECIDE, 50% Algaecide, 50% Algaecide

Product ID: 5850

Synonyms: 50% BTC 776, Algaecide

Date : 02-23-2007

Supplier:

Baleco Int'l Inc

3200 State Line Rd

North Bend, OH 45052

EMERGENCY PHONE NUMBERS

24-HOUR PHONE NUMBER:

CHEMTREC: 1-800-424-9300

MEDICAL: (800)228-5635

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>Percent</u>
Ethanol	64-17-5	10%
Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5	>50%
Water	7732-18-5	<40%

SECTION 3 HAZARDS IDENTIFICATION

Emergency Overview

Clear liquid. Danger! Corrosive, Combuastible. May be corrosive to the skin and eyes. Harmful or fatal if swallowed.

Health Effects: Eyes

This product may be corrosive to eyes.

Health Effects: Skin

This product may be corrosive to the skin. This product may be harmful if it is absorbed through the skin.

Health Effects: Inhalation

This product may cause irritation to the respiratory system. Excessive inhalation of this material causes headache, dizziness, nausea and loss of motor skills.

Health Effects: Ingestion

This product may be harmful or fatal if swallowed.

SECTION 4 FIRST AID MEASURES

Eyes: Immediately flush with water for at least 15 minutes, while holding eyelids open. Get medical attention or advice.

Skin: For skin contact, flush with large amounts of water. Get medical attention or advice. Immediately take off contaminated clothing. Wash contaminated clothing before reuse.

Inhalation: If symptoms are experienced, remove source of contamination or move victim to fresh air. If symptoms persist, get medical attention. If not breathing, give artificial respiration, preferably by mouth-to-mouth. If breathing is difficult, give oxygen. Seek medical attention.

Ingestion: If the material is swallowed, get immediate medical attention or advice. Never give anything by mouth to a victim who is unconscious or is having convulsions. DO NOT induce vomiting.

Notes to Physician: If the product is ingested, probable muscosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

SECTION 5**FIRE FIGHTING MEASURES**

Flash Point (38.9°C), 102 °F PMCC

OSHA Flammability: Combustible IIIA

Classification

Fire and Explosion Hazards: Product contains a flammable solvent. Vapors may be released that travel long distances, ignite and flash back.

Extinguishing media: Dry chemical, carbon dioxide, foam, or water fog. Use water to cool fire exposed containers and to protect personnel.

Fire Fighting Equipment / Instructions: Firefighter should wear full fire turnout gear (full Bunker gear) including NIOSH approved self contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

SECTION 6**ACCIDENTAL RELEASE MEASURES**

Spill and Leak Procedures

Emergency Action:

Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

Wear appropriate personal protective equipment during cleanup. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch or walk through spilled material. Small spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Use clean non-sparking tools to collect absorbed material. Large spills: Dike ahead of liquid spill for later disposal. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollution 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.

SECTION 7**HANDLING AND STORAGE**

Handling Procedures: Avoid contact with eyes and skin. Avoid breathing vapors or mists of this product. Keep this product from heat, sparks, or open flame. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

Storage Procedures: Do not contaminate water, food or feed by storage or disposal. Keep this material in a cool, well-ventilated place. Do not handle or store near an open flame, heat or other sources of ignition.

SECTION 8**EXPOSURE CONTROLS / PERSONAL PROTECTION**

Engineering Controls: Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

Personal Protective Equipment: Eyes / Face: Wear chemical goggles and face shield.

Personal Protective Equipment: Skin: Work clothing sufficient to prevent all skin contact should be worn, such as coveralls and long sleeves. Use impervious gloves.

Personal Protective Equipment: Respiratory: If vapors are present or irritation is experienced, NIOSH approved respiratory protection for ammoniacal vapors should be worn. Ventilation and other forms of engineering controls are often the preferred means for controlling chemical exposures. Respiratory protection may be needed for non-routine or emergency situations.

Personal Protective Equipment: General: Eye wash fountain and emergency showers are recommended.

Exposure Guidelines: Listed below.

Ethanol

64-17-5

ACGIH – Occupational Exposure Limits – TWAs 1000 ppm TWA

NIOSH – Health Standards – Exposure Limits 1000 ppm TWA

NIOSH – Health Standards- Health Effects and Precautions	Eye, respiratory, and skin irritation; teratogenic and reproductive effects
NIOSH – Pocket Guide – IDLH's	3300 ppm IDLH
NIOSH – Pocket Guide – Target Organs	Respiratory system, skin, eyes, CNS, liver, blood, Reproductive system
NIOSH – Pocket Guide – TWA's	1000 ppm TWA; 1900mg/m3 TWA
OSHA – Final PELs _ Time Weighted Averages	1000 ppm TWA; 1900mg/m3 TWA

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear blue liquid.
Flash Point: (38.9° C) >102°F PMCC
Specific Gravity: (0.962 g/ml), 8 lb/gal @ 25°C.
pH Value: 6.5 – 8.5 (10% in H₂O).
Vapor Pressure: Not determined or unknown.
Percent Volatile: 50% (w/w) (includes water)
Evaporation Rate: Estimated slower than ethyl ether
Vapor Density: Estimates heavier than air
Odor: Amine-like.

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.
Conditions to Avoid: Keep away from heat, sparks, or open flame.
Incompatibility: This product may react with strong oxidizing agents, or anionic compounds.
Hazardous Decomposition: Upon decomposition, this product may yield oxides of nitrogen and ammonia. Carbon monoxides and carbon dioxide.
Hazardous Polymerization: Will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

Carcinogenicity: Not listed as carcinogenic according to IARC, OSHA, or NTP.
Other Toxicological Information: Information available upon request. Please contact Stepan Technical Service Department (847-446-7500).
LD50 Value: Oral LD50 (rat)= >50 – 500 mg/kg
 Ethanol 64-17-5
 ACGIH – Occupational Exposure Limits- Carcinogens A4 – Not Classifiable as a Human Carcinogen
 NIOSH – Selected LD50s and LC50s – Inhalation LC50 Rat: 20000 mg/kg/10H; Inhalation LC50 Mouse: 39 g/m³/4H; Oral LD50 Rat: 7060 mg/kg; Oral LD50 Mouse 3450mg/kg.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity: Very toxic to aquatic organisms. Information available upon request. Please contact Stepan Technical Service Department (847-446-7500).
Environmental Fate: This product is biodegradable.

SECTION 13 DISPOSAL CONSIDERATIONS

Pesticide Disposal- Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, 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.
Container Disposal- Do not reuse empty container. Triple rinse empty container with water. Return metal drum then offer for reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures

approved by State and Local authorities. Plastic container may be disposed of in a sanitary landfill, incinerated, or if allowed by local authorities, by burning. If burned, stay out of smoke. Offer for recycling if available.

SECTION 14 TRANSPORTATION INFORMATION

DOT Proper Shipping Name: Refer to bill of lading or container label for DOT or other transportation hazard classification, if any.

SECTION 15 REGULATORY INFORMATION

Ingredient Name	CAS Number	Percent
Ethanol	64-17-5	10%
California – Proposition 65 – Developmental Toxicity	Developmental toxicity, initial date 10/1/87 (when in alcoholic beverages)	
Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5	>50%
Water	7732-18-5	0.04%

Inventories: This product is considered a pesticide, and is therefore excluded from the United States TSCA Regulations. There is no calculable reportable quantity(RQ) for this product.

SECTION 16 OTHER INFORMATION

Hazard Ratings	HMIS	NFPA
Health	3	3
Flammability	2	2
Reactivity	0	0
PPE	X	

The information in this material safety data sheet should be provided to all who will use, handles, store, transport, or otherwise be exposed to this product. This Information has been prepared for the guidance of plant engineering, operations and management and for persons working with or handling this product. Baleco believes this information to be reliable and up to date as of the date of publication, but makes no warranty that it is. Additionally, if this material safety data sheet is more than three years old, you should contact Baleco at The phone number listed in section 1 to make certain that this sheet is current.

Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof, Baleco Int'l Inc makes no representations as to the completeness or accuracy thereof.

Information is supplied upon the condition that the persons receiving same will make their own determination as to its safety and suitability for their purposes prior to use.

In no event will Baleco Int'l Inc be responsible for damages of any nature whatsoever resulting from the use or reliance upon information.

No representations or warranties, either expressed or implied, of merchant ability, fitness for a particular purpose or of any other nature, are made hereunder with respect to information or the product to which the information refers.

Prepared By: MSDS Department
Baleco Int'l Inc
Cinti, OH 45211
(513)353-3000

End of MSDS