

# MATERIAL SAFETY DATA SHEET

## CHAMPION ALGAECIDE 5%

### SECTION I – PRODUCT IDENTIFICATION

PRODUCT NAME: Champion Algaecide 5%

MANUFACTURE'S NAME: Champion Packaging & Distribution, Inc.  
1840 Internationale Parkway  
Woodridge, IL 60517  
(630) 972-0100

DATE LAST REVISED: January 1, 2004

EMERGENCY TELEPHONE NO.: INFOTRAC: 1-800-535-5053

CHEMICAL NAME: BTC 776

CHEMICAL FAMILY: Quaternary Ammonium Compounds

DOT CLASS: N/A

### SECTION II – HAZARDOUS INGREDIENTS

<u>INGREDIENT (CAS #)</u>	<u>OSHA PEL (PPM)</u>	<u>ACGIH TLV (PPM)</u>
ETHYL ALCOHOL, DENATURED (64-17-5) 1%	1000	1000
ALKYL DIMETHYL BENZYL AMM. CHLORIDE (C12-18) 4.2% CAS 68391-01-5	NL	NL
DIALKYL METHYL BENZYL AMM. CHLORIDE (C12-18) 1% CAS 68391-05-9	NL	NL

### SECTION III – PHYSICAL AND CHEMICAL DATA

BOILING POINT: 320° F

% VOLATILE BY WEIGHT: N/A

EVAPORATION RATE: ESTIMATED SLOWER THAN ETHYL ETHER

VAPOR DENSITY: ESTIMATED HEAVIER THAN AIR

VAPOR PRESSURE (MM HG): NOT DETERMINED OR UNKNOWN

WEIGHT PER GALLON: 8.0 LBS.

### SECTION IV – FIRE AND EXPLOSION DATA

FLASH POINT (PENSKY-MARTENS CLOSED CUP): 200° F

EXPLOSIVE LIMITS: LOWER: 2% UPPER: 12%

EXTINGUISHING MEDIA: DRY CHEMICAL, CARBON DIOXIDE, FOAM OR WATER FOG. CLASS BC, ABC FIRE EXTINGUISHER

SPECIAL FIRE FIGHTING PROCEDURES: SELF-CONTAINED POSITIVE PRESSURE BREATHING APPARATUS AND PROTECTIVE CLOTHING SHOULD BE WORN IN FIGHTING FIRES INVOLVING CHEMICALS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE KNOWN

#### **SECTION V – REACTIVITY DATA**

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION PRODUCTS: NITROUS OXIDES AND AMMONIACAL VAPORS

#### **SECTION VI – HEALTH HAZARD DATA**

##### EFFECTS OF OVEREXPOSURE/EMERGENCY AND FIRST AID PROCEDURES

POSSIBLE ROUTES OF ENTRY: EYES, SKIN, INHALATION, INGESTION.

EYES: CONTACT WITH EYES IS PAINFUL AND IRRITATING AND WILL CAUSE CHEMICAL BURNS. FLUSH EYES IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CONSULT A PHYSICIAN.

SKIN: PROLONGED OR REPEATED CONTACT WITH SKIN CAUSES IRRITATION. REMOVE CONTAMINATED CLOTHING AND CLEAN BEFORE REUSE. WASH OFF SKIN WITH WATER FOR AT LEAST 15 MINUTES. CONSULT A PHYSICIAN.

INHALATION: MIST CAUSED BY MANUFACTURING OPERATIONS IRRITATES NASAL PASSAGES. ALCOHOL PORTION, WHICH CAN BE INHALED OR ABSORBED, MUST BE CONTROLLED BELOW TLV. PROLONGED INHALATION OF VAPORS CAUSES NAUSEA, LOSS OF MOTOR SKILLS AND DISORIENTATION. IF VAPORS OR MIST CAUSE IRRITATION OR DISTRESS, REMOVE PERSON TO FRESH AIR, GIVE OXYGEN OR APPLY ARTIFICIAL RESPIRATION, IF NEEDED.

INGESTION: IF SWALLOWED, CONSULT A PHYSICIAN IMMEDIATELY.  
NOTE TO PHYSICIAN: PROBABLE MUCOSAL DAMAGE MAY CONTRAINDICATE THE USE OF GASTRIC LAVAGE.

CHRONIC EFFECTS AND MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: CHRONIC EFFECTS AND MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE TO THIS PRODUCT HAVE NOT BEEN ESTABLISHED. UNNECESSARY EXPOSURE TO THIS PRODUCT OR ANY CHEMICAL SHOULD BE AVOIDED.

IF ANY SYMPTOMS PERSIST, CONSULT A PHYSICIAN.

CARCINOGEN: THIS PRODUCT IS NOT CONSIDERED A CARCINOGEN BY OSHA, NTP, OR IARC.

THRESHOLD LIMIT VALUE: SEE SECTION II FOR HAZARDOUS INGREDIENTS PRESENT IN THIS PRODUCT AND THEIR CORRESPONDING THRESHOLD LIMIT VALUES.

#### **SECTION VII – SPILL, LEAK, AND DISPOSAL PROCEDURES**

1. CONTAIN ALL SPILLS AND LEAKS TO PREVENT DISCHARGE INTO THE ENVIRONMENT.
2. REMOVE ALL INGNITION SOURCES AND PREVENT ELECTRICAL SPARKING.

3. WEAR RESPIRATOR AND VENTILATE AREA.

SMALL SPILLS: SOAK UP WITH ABSORBENT, SHOVEL INTO WASTE CONTAINER, FLUSH AREA WITH WATER.

LARGE SPILLS: RECOVER LIQUID FOR REPROCESSING OR DISPOSAL.

WASTE DISPOSAL: RECOVER MATERIAL OF DISPOSE (INCINERATION IS PREFERRED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS. MATERIAL COLLECTED WITH ABSORBENT MAY BE DEPOSITED IN A PERMITTED LANDFILL IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. EMPTY CONTAINER MAY RETAIN VAPOR OR PRODUCT RESIDUE. OBSERVE ALL LABELED SAFEGUARDS UNTIL CONTAINER IS CLEANED, RECONDITIONED, OR DESTROYED.

### **SECTION VIII – PROTECTIVE MEASURES**

EYE PROTECTION: WEAR FULL FACE SHIELD OR GOGGLES WHEN HANDLING.

PROTECTIVE GLOVES: USE IMPERVIOUS GLOVES.

RESPIRATORY PROTECTION: IF VAPORS ARE PRESENT, USE NIOSH OR MSHA APPROVED RESPIRATOR FOR ORGANIC VAPORS, AIR-LINE RESPIRATOR, OR A SELF-CONTAINED BREATHING APPARATUS.

VENTILATION: USE VENTILATION ADEQUATE TO KEEP HAZARDOUS INGREDIENTS BELOW THEIR TLV (SEE SECTION II).

OTHER PROTECTIVE EQUIPMENT: WEAR PROTECTIVE CLOTHING TO PREVENT REPEATED OR PROLONGED CONTACT. EYE WASH STATION AND SAFETY SHOWER WOULD BE NEAR WORK AREA.

### **SECTION IX – SPECIAL PRECAUTIONS**

HANDLING AND STORAGE: AVOID OPEN FIRE OR FLAME. KEEP FROM FREEZING. STORE IN ORIGINAL CONTAINER.

OTHER PRECAUTIONS: SPILLED MATERIAL IS SLIPPERY. WASH THOROUGHLY AFTER HANDLING . IF INGESTED, CALL A PHYSICIAN.

NFPA RATING:

HEALTH	1
FLAMMABILITY	1
REACTIVITY	1
PROTECTION	B

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