

# MATERIAL SAFETY DATA SHEET

CHEMCO INDUSTRIES, INC.  
5731 Manchester Ave., St. Louis, MO 63110



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GENERAL INFORMATION # : 314-647-1888  
EMERGENCY TELEPHONE # : (800) 854-4236

## I-PRODUCT IDENTIFICATION

### AL-AWAY

PRODUCT CODE: #011

CHEMICAL FORMULATION: CONCENTRATED SWIMMING POOL ALGAECIDE

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 0

HAZARD RATING: 4-Extreme; 3-High; 2-Moderate; 1-Slight; 0-Insignificant

## II-HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	CAS NUMBER	ACGIH TWA	ACGIH STEL	OSHA PEL	OTHER RECOMMENDED LIMITS	S.A.R.A TITLE III QTY
Alkyl Dimethyl Benzol Ammonium Chloride	68391-01-5	N/E	N/E	N/E	NONE	NONE
Alkyl Dimethyl Ethyl Benzyl Ammonium Chloride	68956-79-6	N/E	N/E	N/E	NONE	NONE
Ethanol	64-17-5	1000 ppm 1880 mg/m <sup>3</sup>	N/E	TWA 1000ppm 1900 mg/m <sup>3</sup>	NONE	NONE

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling Level STEL: Short Term Exposure Limit

N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No

302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4)

355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).

372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40CFR 372).

## III-PHYSICAL DATA

BOILING POINT (°F): 212°F MELTING POINT: N/D  
VAPOR PRESURE (mm Hg): (At 77°F) N/D SPECIFIC GRAVITY (WATER=1): 0.99  
VAPOR DENSITY (AIR=1): N/D VOC CONTENT (% by weight): 0.17  
SOLUBILITY IN WATER: COMPLETE EVAPORATION RATE (Butyl Acetate=1): 1  
pH: N/A  
APPEARANCE AND ODOR: CLEAR, COLORLESS AND ODORLESS LIQUID

## IV-FIRE AND EXPLOSION HAZARD

FLASH POINT (°F): NONE (TAG CLOSED CUP)

FLAMMABLE LIMITS: N/A LEL: N/A UEL: N/A

EXTINGUISHING MEDIA: DRY CHEMICAL, WATER FOG, CO<sub>2</sub>, FOAM

SPECIAL FIRE FIGHTING PROCEDURES: COOL FIRE EXPOSED CONTAINERS WITH SPRAY. FIRE FIGHTERS SHOULD WEAR FULL PROTECTIVE EQUIPMENT AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS

UNUSUAL FIRE AND EXPLOSION HAZARD: HEATING MAY CAUSE RELEASE OF HAZARDOUS GASES.

**V-REACTIVITY DATA**

**STABILITY: STABLE**

**INCOMPATIBILITY: STRONG OXIDIZERS ON REDUCING AGENTS**

**CONDITIONS TO AVOID: NONE KNOWN**

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS: WHEN STRONGLY HEATED, AS IN A FIRE, THIS PRODUCT MAY PRODUCE TOXIC HYDROGEN CHLORIDE FUMES, OXIDES OF CARBON AND NITROGEN**

**HAZARDOUS POLYMERIZATION: WILL NOT OCCUR**

**CONDITIONS TO AVOID: NONE KNOWN**

**VI-HEALTH AND HAZARD DATA**

**ROUTES OF ENTRY**                      **INHALATION:**                      **SKIN:**                      **INGESTION:**  
**CARCINOGENICITY:**              **NTP? NO**              **IARC MONOGRAPHS? NO**              **OSHA REGULATED? NO**

**EFFECTS OF OVEREXPOSURE**

**IF IN EYES:** TEARING, BURNING, IRRITATION

**IF ON SKIN:** MAY CAUSE IRRITATION

**IF SWALLOWED:** BURNING PAIN IN THE MOUTH, THROAT, ABDOMEN, SEVERE SWELLING OF THE LARYNX, SKELETAL MUSCLE PARALYSIS AFFECTING THE ABILITY TO BREATHE.

**IF INHALED:** IRRITATION OF MUCOUS MEMBRANE

**EMERGENCY AND FIRST AID PROCEDURES**

**IF IN EYES:** HOLD EYE OPEN AND RINSE SLOWLY AND GENTLY WITH WATER FOR 15-20 MINUTES. REMOVE CONTACT LENSES, IF PRESENT, AFTER THE FIRST FIVE MINUTES, THEN CONTINUE RINSING EYE. CALL A POISON CONTROL CENTER OR DOCTOR FOR TREATMENT ADVICE.

**IF ON SKIN:** TAKE OFF CONTAMINATED CLOTHING. RINSE SKIN WITH PLENTY OF WATER FOR 15-20 MINUTES. CALL POISON CENTER OR DOCTOR IMMEDIATELY FOR TREATMENT ADVICE.

**IF SWALLOWED:** CALL POISON CONTROL CENTER OR DOCTOR IMMEDIATELY FOR TREATMENT ADVICE. HAVE PERSON SIP A GLASS OF WATER IF ABLE TO SWALLOW. DO NOT INDUCE VOMITING UNLESS TOLD TO DO SO BY THE POISON CONTROL CENTER OR DOCTOR. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

**IF INHALED:** REMOVE TO FRESH AIR. IF PERSON IS NOT BREATHING, CALL 911 OR AN AMBULANCE THEN GIVE ARTIFICIAL RESPIRATION, PREFERABLY BY MOUTH-TO-MOUTH, IF POSSIBLE. CALL POISON CONTROL CENTER OR DOCTOR FOR FURTHER TREATMENT ADVICE.

**VII-SPILL AND LEAK PROTECTION**

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** SMALL SPILLS MAY BE MOPPED UP, FLUSHED AWAY WITH WATER OR ABSORBED ON SOME ABSORBENT MATERIAL AND INCENERATED. LARGE SPILLS SHOULD BE CONTAINED FOR PROPER DISPOSAL.

**WASTE DISPOSAL METHOD:** CONSULT LOCAL, STATE, AND FEDERAL AUTHORITIES FOR PROPER DISPOSAL GUIDELINES.

**VIII – SPECIAL PROTECTION INFORMATION**

**VENTILATION:** LOCAL EXHAUST: NORMALLY NOT REQUIRED  
 MECHANICAL (GENERAL): NORMALLY NOT REQUIRED      SPECIAL:  
 OTHER:

**RESPIRATORY PROTECTION:** NONE REQUIRED IF GOOD VENTILATION IS MAINTAINED. FOR MIST OR VAPOR WEAR NIOSH APPROVED RESPIRATOR.

**PROTECTIVE GLOVE:** CHEMICALLY RESISTANT GLOVES

**EYE PROTECTION:** SAFETY GOGGLES

**OTHER PROTECTIVE EQUIPMENT:** LONG SLEEVED SHIRT

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** KEEP CONTAINERS TIGHTLY CLOSED; STORE IN A COOL, DRY PLACE. DO NOT LET CONTAINERS FREEZE, AS THE SPLIT OR RUPTURE. NFPA 30B STORAGE LEVEL 3.

**OTHER PRECAUTIONS:**

**WORK/HYGIENIC PRACTICES:** REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE REUSING. WASH HANDS AND FACE WITH SOAP AND WATER AFTER USING THIS PRODUCT.

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