

**MATERIAL SAFETY DATA SHEET****PRODUCT IDENTIFICATION**

PRODUCT: **ALGAE DESTROYER**  
(COOLING TOWER MICROBICEDE)  
PRODUCT CODE: **NAD1G**

HMIS CODES: H F R  
2 0 0

**MANUFACTURER: COMSTAR INTERNATIONAL INC.**

**ADDRESS:** 20-45 128<sup>th</sup> STREET, COLLEGE POINT, NY 11356

**INFORMATION:** 718-445-7900

**EMERGENCY:** CHEMTREC - 800-424-9300

DATE: 5/2003

PREPARER: R. Madariaga

**DISTRIBUTOR: NATIONAL REFRIGERATION PRODUCTS**

**2900 SAMUEL DRIVE · BENSALEM, PA 19020-7306**

**1-800-352-6951**

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**HAZARDOUS INGREDIENTS / IDENTITY INFORMATION**

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY)	CAS NUM	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	PERCENTAGE (OPTIONAL)
DIDECYL DIMETHYL AMMONIUM CHLORIDE	91490-94-7	NA	NA		20%

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**PHYSICAL/CHEMICAL CHARACTERISTICS**

**BOILING POINT:** 212°F

**MELTING POINT:** NONE

**VAPOR PRESSURE @ 70 DEG F:** NA

**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** NA

**VAPOR DENSITY (AIR=1):** NA

**EVAPORATION RATE: (BUTYL ACETATE=1):** >1

**SOLUBILITY IN WATER:** COMPLETE

**APPEARANCE AND ODOR:** CLEAR LIQUID, LITTLE TO NO ODOR.

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**FIRE AND EXPLOSION HAZARD DATA**

**FLASH POINT:** 200 DEG. F

**FLAMMABLE LIMITS:** LET:

UEL:

**EXTINGUISHING MEDIA:** WATER, UNIVERSAL FOAMS, DRY CHEMICAL.

**SPECIAL FIREFIGHTING PROCEDURES:** SELF-CONTAINED RESPIRATORY PROTECTION SHOULD BE PROVIDED FOR FIREMEN FIGHTING IN BUILDINGS OR CONFINED AREAS.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** NONE KNOWN

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**REACTIVITY DATA**

**STABILITY:** YES UNDER NORMAL CONDITIONS.

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

**CONDITIONS TO AVOID:** SEE BELOW

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**INCOMPATIBILITY (MATERIALS TO AVOID):** STRONG OXIDIZING AGENTS.

**HAZARDOUS DECOMPOSITION OR PRODUCTS:** UPON DECOMPOSITION, THIS PRODUCT MAY GIVE OFF GASES INCLUDING OXIDES OF NITROGEN AND AMMONIA.

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### **HEALTH HAZARD DATA**

**ROUTE(S) OF ENTRY:**            INHALATION? NO        SKIN? NO        INGESTION? YES

**HEALTH HAZARDS (ACUTE & CHRONIC):** THERE IS NO CARCINOGENICITY DATA AVAILABLE FOR THIS PRODUCT.

**CARCINOGENITY:** NA            NTP? NO            IARC MONOGRAPHS? NO        OSHA REGULATED? NO

**SIGNS AND SYMPTOMS OF EXPOSURE:**        NAUSEA, SKIN OR RESPIRATORY IRRITATION, DIZZINESS.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** NONE KNOWN.

### **EMERGENCY AND FIRST AID PROCEDURES:**

**SKIN:** REMOVE CONTAMINATED CLOTHING AND WASH SKIN WITH SOAP AND WATER.

**EYES:** HOLD EYELIDS OPEN AND FLUSH WITH WATER FOR 15 MINUTES.

**INGESTION:** RINSE MOUTH, DRINK PLENTY OF WATER.

**INHALATION:** REMOVE TO FRESH AIR. SEEK MEDICAL ATTENTION.

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### **PRECAUTIONS FOR SAFE HANDLING AND USE**

**STEPS TO BE TAKEN IN CASE OF RELEASE OR SPILL:** MOP, SOAK OR VACUUM UP AND PLACE IN AN APPROPRIATE HOLDING CONTAINER.

**WASTE DISPOSAL METHOD:** DISPOSE OF ALL WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

**PRECAUTIONS FOR STORAGE AND HANDLING:** KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME OR DIRECT SUNSHINE. DO NOT PUNCTURE OR INCINERATE.

**OTHER PRECAUTIONS:** INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATION AND INHALING VAPOR CONTENTS CAN BE HARMFUL.

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### **CONTROL MEASURES**

**RESPIRATORY PROTECTION:** GOOD WORK PRACTICE DICTATES THE USE OF NIOSH APPROVED RESPIRATORS.

**VENTILATION: LOCAL EXHAUST:** YES

**MECHANICAL (GENERAL):** YES

**SPECIAL:** NONE

**OTHER:** NONE

**PROTECTIVE GLOVES:** POLYFLUORINATED OR POLYVINYL ALCOHOL OR VITON.

**EYE PROTECTION:** SAFETY GOGGLES OR FACE SHIELD.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** PLASTIC OR RUBBER APRON.  
**WORK/HYGIENIC PRACTICES:** WASH HANDS AFTER USE.

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### **DISCLAIMER**

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