ZEE COMPANY INC
SOLUTIONS FOR EXCELLENCE
A Member of The Vincit Group

MATERIAL SAFETY DATA SHEET

I. GENERAL INFORMATION

PRODUCT NAME: BIOCIDE 7

DISTRIBUTOR'S ADDRESS: ZEE Company, Inc.
4146 South Creek Road
Chattanooga, TN 37406

24 HOUR EMERGENCY PHONE: 1-800-424-9300

TRADE NAME: ANTIMICROBIAL AGENT

CHEMICAL FORMULA: AS SEEN ON LABEL
CHEMICAL FAMILY: MICROBIOCIDE

HEALTH	3
FLAMMABILITY	1
REACTIVITY	1
PERSONAL PROTECTION	D

II. HAZARDOUS INGREDIENTS

PRINCIPAL HAZARDOUS INGREDIENT(S):	% OF PRODUCT	PEL / TLV	CAS NO.
2, 2-DIBROMO-3-NITRILOPROPIONAMIDE	5	NO PEL OR TLV EST	010222-01-2
INERT INGREDIENTS	95		
WATER			007732-18-5
TETRAETHYLENE GLYCOL OR			025332-68-3
POLYETHYLENE GLYCOL MIXTURE			000112-60-7
SODIUM BROMIDE			007647-15-6

III. PHYSICAL DATA

BOILING POINT (F):	>70' C.	SPECIFIC GRAVITY (H20=1):	1.12
VAPOR PRESSURE:	-5MMHG	PERCENT VOLATILE BY WEIGHT (%)	NE
VAPOR DENSITY:	<1	MELTING / FREEZING POINT (F):	N/A
SOLUBILITY IN WATER:	APPRECIAB	PH:	APPROXIMATELY 4.5
APPEARANCE AND ODOR:	CLEAR TO YELLOW SOLUTION; DISINFECTANT ODOR		

IV. FIRE AND EXPLOSION DATA

FLASH POINT: >200 F(TCC)
AUTO IGNITION TEMPERATURE: NE
FLAMMABLE LIMITS IN AIR, VOLUME PERCENTAGE (%): UPPER: N/A LOWER: N/A
EXTINGUISHER MEDIA: AS USED ON SURROUNDING FIRE
SPECIAL FIRE FIGHTING PROCEDURES: WATER MAY BE USED TO KEEP FIRE-EXPOSED CONTAINERS COOL UNTIL FIRE IS OUT. WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS AND ALL PROTECTIVE FIRE FIGHTING CLOTHING.

UNUSUAL FIRE/EXPLOSION HAZARDS: UNDER FIRE CONDITIONS SOME COMPONENTS OF BIOCIDE 7 MAY DECOMPOSE. THE SMOKE MAY CONTAIN UNIDENTIFIED TOXIC AND/OR IRRITATING COMPOUNDS.

V. PHYSICAL HAZARDS

STABILITY: STABLE
CONDITIONS TO AVOID: TEMPERATURES ABOVE 158 (F)
MATERIALS TO AVOID: STRONG BASES, OXIDIZING MATERIAL
HAZ. POLYMERIZATION: WILL NOT OCCUR
CONDITIONS TO AVOID: NONE
HAZARDOUS DECOMPOSITION PRODUCTS: BROMINE, CYANOGEN BROMIDE, DIBROMOACETONITRILE, CO2

VI. HEALTH HAZARDS

ACUTE: EYE IRRITANT

CHRONIC: NONE KNOWN.

SIGNS AND SYMPTOMS OF EXPOSURE: BIOCIDE 7 MAY CAUSE MODERATE SKIN IRRITATION. REPEATED CONTACT MAY CAUSE SKIN BURN. SEVERE EYE IRRITANT. CONTACT MAY CAUSE CORNEAL INJURY WITH PERMANENT IMPAIRMENT.

MEDICAL CONDITIONS GENERALLY AGGREVATED BY EXPOSURE: AVOID INHALATION OF BIOCIDE 7 MISTS. MAY CAUSE IRRITATION IN UPPER RESPIRATORY TRACT.

LISTED AS POTENTIAL CARCINOGEN/POTENTIAL CARCINOGEN: IARC: NO NATIONAL TOXICOLOGY PROGRAM: NO

VII. EMERGENCY AND FIRST AID PROCEDURES

TREAT SYSTEMATICALLY AS OUTLINED BELOW:

INHALATION: IF AFFECTED, REMOVE PERSON TO FRESH AIR. CONSULT A PHYSICIAN IF BREATHING DIFFICULTY OCCURS.

SKIN: THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. CONSULT A PHYSICIAN IF IRRITATION OCCURS.

EYES: FLUSH WITH CLEAN WATER FOR AT LEAST 30 MINUTES, LIFTING UPPER AND LOWER EYE LIDS OCCASIONALLY. GET MEDICAL ATTENTION.

INGESTION: IF PERSON IS CONSCIOUS, INDUCE VOMITING IMMEDIATELY AS DIRECTED BY MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CONSULT MEDICAL PERSONNEL.

VIII. ENVIRONMENTAL DATA: SPILL AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

LARGE AND SMALL SPILL: LARGE AND SMALL SPILL: COMPLETELY CONTAIN ALL SPILLED MATERIAL. BLOCK ANY POTENTIAL ROUTES TO SOIL, SURFACE WATER OR GROUND WATER. ABSORB ONTO INERT COMPOUND AND RECLAIM TO A SUITABLE PROPERLY LABELED OPEN CONTAINER. NEUTRALIZE RESIDUE WITH SODA ASH, SODIUM BICARBONATE, 10% CAUSTIC AND WATER. RESIDUE MAY BE FLUSHED TO WASTE WITH WATER IF AUTHORIZED. SEE SECTION X FOR MORE REGULATORY INFORMATION.

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WASTE DISPOSAL METHODS: WASTE DISPOSAL METHODS: DISPOSE OF CONTAMINATED PRODUCT VIA AN APPROVED CHEMICAL WASTE DISPOSAL FIRM AND IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

IX. CONTROL MEASURES

RESPIRATORY PROTECTION: NIOSH-APPROVED RESPIRATOR FOR EXPOSURES ABOVE ESTABLISHED GUIDELINES.

VENTILATION: LOCAL EXHAUST PREFERRED

PROTECTIVE GLOVES: CHEMICAL RESISTANT

EYE PROTECTION: CHEMICAL SPLASH GOGGLES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: IMPERVIOUS CLOTHING: IE. BOOTS, APRONS TO MINIMIZE POTENTIAL CONTACT.

WORK/HYGENIC PRACTICES: CONTAMINATED CLOTHING SHOULD BE LAUNDERED BEFORE REUSE.

OTHER: STORE BELOW 95(F). KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

X. REGULATORY INFORMATION

DOT SHIPPING NAME: COMPOUND, INDUSTRIAL PROCESS WATER TREATING, LIQUID.

HAZARD CLASSIFICATION: NA UN / NA NUMBER: NA

DOT LABEL REQUIRED: NR

SARA TITLE III REPORTING: SECTION 311: X SECTION 312: X SECTION 313: X

SARA 313 REPORTABLE PRODUCT: DIBROMONITRILOPROPIONAMIDE

SARA TPQ:

CERCLA REPORTABLE QUANTITY OF PRODUCT: NA

HMIS RATING: HEALTH 3 FLAMMABILITY 1 REACTIVITY 1

DATE PREPARED: MAY 2005

PREPARED BY: JAMES MULLOY

NE = Not Established N/A = Not Applicable NR = Not Required < = Less Than > = Greater Than

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