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

MATERIAL SAFETY DATA SHEET

I. GENERAL INFORMATION

PRODUCT NAME: TOWER 4

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

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

TRADE NAME: SCALE RETARDANT, ANTIFOULANT, CORROSION INHIBITOR.

CHEMICAL FORMULA: PROPRIETARY
CHEMICAL FAMILY: COOLING WATER TREATMENT

HEALTH	2
FLAMMABILITY	0
REACTIVITY	1
PERSONAL PROTECTION	C

II. HAZARDOUS INGREDIENTS

PRINCIPAL HAZARDOUS INGREDIENT(S):	% OF PRODUCT	PEL / TLV	CAS NO.
POTASSIUM HYDROXIDE	<6	TLV: 2MG/CU METER CEILING	1310-58-3
ZINC SULFATE	<3	NO TLV ESTABLISHE	7733-02-0

III. PHYSICAL DATA

BOILING POINT (F):	>220(F)	SPECIFIC GRAVITY (H20=1):	1.14
VAPOR PRESSURE:	NE	PERCENT VOLATILE BY WEIGHT (%)	NA
VAPOR DENSITY:	NE	MELTING / FREEZING POINT (F):	NA
SOLUBILITY IN WATER:	COMPLETE	PH:	APPROXIMATELY 13.0
APPEARANCE AND ODOR:	LIGHT GOLDEN LIQUID, NO DISTINCT ODOR		

IV. FIRE AND EXPLOSION DATA

FLASH POINT: N/A
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: FULL PROTECTIVE CLOTHING AND A SELF-CONTAINED BREATHING APPARATUS SHOULD BE PROVIDED FOR FIRE-FIGHTERS. WATER MAY BE USED TO COOL FIRE EXPOSED CONTAINERS UNTIL FIRE IS OUT.

UNUSUAL FIRE/EXPLOSION HAZARDS: THERMAL DECOMPOSITION OF TOWER 4 MAY EMIT FUMES CONTAINING OXIDES OF ZINC AND/OR HYDROGEN GAS.

V. PHYSICAL HAZARDS

STABILITY: STABLE
CONDITIONS TO AVOID: EXTREME HEAT
MATERIALS TO AVOID: STRONG ACID SOLUTIONS, OXIDIZING AGENTS
HAZ. POLYMERIZATION: WILL NOT OCCUR
CONDITIONS TO AVOID: NONE
HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF ZINC

VI. HEALTH HAZARDS

ACUTE: IRRITANT CHRONIC: NONE

SIGNS AND SYMPTOMS OF EXPOSURE: CONTINUOUS AND/OR REPEATED CONTACT WITH TOWER 4 MAY IRRITATE SKIN AND EYE TISSUE WITH POSSIBLE INJURY.

MEDICAL CONDITIONS GENERALLY AGGREVATED BY EXPOSURE: INHALATION OF MISTS MAY IRRITATE UPPER RESPIRATORY PASSAGES.

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. IF BREATHING STOPS, ADMINISTER ARTIFICIAL RESPIRATION. SEEK MEDICAL ATTENTION IMMEDIATELY.

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

EYES: FLUSH WITH CLEAN WATER FOR AT LEAST 15 MINUTES, LIFTING UPPER AND LOWER EYE LIDS OCCASIONALLY. GET MEDICAL ATTENTION.

INGESTION: IF PERSON IS CONSCIOUS, GIVE WATER TO DILUTE. DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION IMMEDIATELY.

VIII. ENVIRONMENTAL DATA: SPILL AND DISPOSAL PROCEDURES

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

LARGE AND SMALL SPILL: SMALL SPILL: FLUSH TO WASTE WITH LARGE QUANTITIES OF WATER. LARGE SPILL: COMPLETELY CONTAIN ALL SPILLED MATERIAL. ABSORB ONTO INERT COMPOUND AND RECLAIM TO A CLOSED DOT APPROVED CONTAINER. RESIDUE MAY BE FLUSHED TO WASTE WITH LARGE QUANTITIES OF WATER. 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 SELF-CONTAINED BREATHING APPARATUS FOR EXPOSURES ABOVE OSHA PEL.

VENTILATION: LOCAL EXHAUST PREFERRED.

PROTECTIVE GLOVES: RUBBER

EYE PROTECTION: CHEMICAL SPLASH GOGGLES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: IMPERVIOUS CLOTHING: I.E. APRON, BOOTS AND FACE SHIELD TO MINIMIZE POTENTIAL CONTACT.

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

OTHER: EYE WASH AND BODY SHOWER STATION.

X. REGULATORY INFORMATION

DOT SHIPPING NAME: CORROSIVE LIQUIDS, N.O.S., (POTASSIUM HYDROXIDE), 8, UN 1760, PG II

HAZARD CLASSIFICATION: CORROSIVE UN / NA NUMBER: UN 1760

DOT LABEL REQUIRED: CORROSIVE

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

SARA 313 REPORTABLE PRODUCT:

SARA TPQ:

CERCLA REPORTABLE QUANTITY OF PRODUCT: 1928 GALLONS DUE TO POTASSIUM HYDROXIDE CONTENT.

HMIS RATING: HEALTH 2 FLAMMABILITY 0 REACTIVITY 1

DATE PREPARED: AUGUST 2006

PREPARED BY: JAMES A. MULLOY

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

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