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

MATERIAL SAFETY DATA SHEET

I. GENERAL INFORMATION

PRODUCT NAME: TOWER 5

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	0
PERSONAL PROTECTION	C

II. HAZARDOUS INGREDIENTS

PRINCIPAL HAZARDOUS INGREDIENT(S):	% OF PRODUCT	PEL / TLV	CAS NO.
POTASSIUM HYDROXIDE	<20	TLV:2MG/CU METER: HR. TWA:TLV 2MG/C METER CEILING	1310-58-3

III. PHYSICAL DATA

BOILING POINT (F):	>220(F)	SPECIFIC GRAVITY (H20=1):	1.15
VAPOR PRESSURE:	NE	PERCENT VOLATILE BY WEIGHT (%)	NE
VAPOR DENSITY:	NE	MELTING / FREEZING POINT (F):	NA
SOLUBILITY IN WATER:	COMPLETE	PH:	APPROXIMATELY 13.0
APPEARANCE AND ODOR:	BROWN 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: NONE

V. PHYSICAL HAZARDS

STABILITY:	STABLE	CONDITIONS TO AVOID:	EXTREME HEAT
MATERIALS TO AVOID:	ACIDIC SOLUTIONS		
HAZ. POLYMERIZATION:	WILL NOT OCCUR	CONDITIONS TO AVOID:	NONE
HAZARDOUS DECOMPOSITION PRODUCTS:	PHOSPHINES, CO, CO2		

VI. HEALTH HAZARDS

ACUTE: SKIN IRRITANT CHRONIC: NONE KNOWN

SIGNS AND SYMPTOMS OF EXPOSURE: CONTINUOUS AND/OR REPEATED CONTACT WITH TOWER 5. MAY IRRITATE SKIN AND EYE TISSUE WITH POSSIBLE EYE DAMAGE.

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 AND TAKE UP WITH AN ABSORBENT MATERIAL. RECLAIM TO A CLOSED DOT APPROVED CONTAINER. FLUSH RESIDUE TO WASTE WITH LARGE QUANTITIES OF WATER. SEE SECTION X FOR MORE REGULATORY INFORMATION.

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WASTE DISPOSAL METHODS: WASTE DISPOSAL METHODS: INCINERATE, LANDFILL OR FLUSH TO WASTE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

IX. CONTROL MEASURES

RESPIRATORY PROTECTION: NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS FOR EXPOSURES ABOVE OSHA PEL.

VENTILATION: GENERAL EXHAUST ADEQUATE

PROTECTIVE GLOVES: RUBBER

EYE PROTECTION: CHEMICAL SPLASH GOGGLES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: IMPERVIOUS CLOTHING: I.E. APRON, BOOTS 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 III

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: NA

SARA TPQ: NA

CERCLA REPORTABLE QUANTITY OF PRODUCT: 502 GALLONS DUE TO POTASSIUM HYDROXIDE CONTENT.

HMIS RATING: HEALTH 2 FLAMMABILITY 0 REACTIVITY 0

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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