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

MATERIAL SAFETY DATA SHEET

I. GENERAL INFORMATION

PRODUCT NAME: CLOSED 1

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

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

TRADE NAME: HOT AND CHILLED WATER TREATMENT

CHEMICAL FORMULA: PROPRIETARY
CHEMICAL FAMILY: COOLING WATER TREATMENT

HEALTH	1
FLAMMABILITY	1
REACTIVITY	1
PERSONAL PROTECTION	C

II. HAZARDOUS INGREDIENTS

PRINCIPAL HAZARDOUS INGREDIENT(S):	% OF PRODUCT	PEL / TLV	CAS NO.
SODIUM HYDROXIDE	<5	TLV: 2MG/CU METER PER 8 HOUR TWA PEL: 2MG/ CU METE PER 8 HR. TWA.	1310-73-2
BORAX	<10	PEL:10MG/CU METE TLV: 1MG/CU METER	12179-04-3
SODIUM NITRITE	<15	NO PEL/TLV EST.	7632-00-0

III. PHYSICAL DATA

BOILING POINT (F):	>220(F)	SPECIFIC GRAVITY (H20=1):	1.16
VAPOR PRESSURE:	NE	PERCENT VOLATILE BY WEIGHT (%)	NA
VAPOR DENSITY:	NE	MELTING / FREEZING POINT (F):	NA
SOLUBILITY IN WATER:	COMPLETE	PH:	APPROXIMATELY 12.0
APPEARANCE AND ODOR:	CLEAR YELLOW 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: WEAR SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE PIECE APPROVED BY NIOSH. USE WATER SPRAY TO COOL EXPOSED CONTAINERS OF POTENTIAL FUEL OR OXIDIZER, OR TO DRENCH OXIDIZER.

UNUSUAL FIRE/EXPLOSION HAZARDS: CLOSED 1 CONTAINS AN OXIDIZING AGENT. IT CAN SUPPLY OXYGEN TO STIMULATE OR ACCELERATE THE COMBUSTION OF ORGANIC OR OTHER COMBUSTIBLE MATERIALS.

V. PHYSICAL HAZARDS

STABILITY: STABLE CONDITIONS TO AVOID: EXTREME HEAT
MATERIALS TO AVOID: ACIDIC SOLUTIONS, AMMONIUM COMPOUNDS
HAZ. POLYMERIZATION: WILL NOT OCCUR CONDITIONS TO AVOID: NONE
HAZARDOUS DECOMPOSITION PRODUCTS: GASEOUS NITROGEN OXIDES

VI. HEALTH HAZARDS

ACUTE: SKIN IRRITANT CHRONIC: NONE

SIGNS AND SYMPTOMS OF EXPOSURE: CONTINUOUS AND REPEATED CONTACT WITH CLOSED 1 MAY CAUSE LOCAL IRRITATION ON SKIN AND SEVERE EYE IRRITATION.

MEDICAL CONDITIONS GENERALLY AGGREVATED BY EXPOSURE: NONE CURRENTLY KNOWN.

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 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: LARGE AND SMALL 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 ADDITIONAL REGULATORY INFORMATION.

SEE SECTION X FOR MORE REGULATORY INFORMATION.

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 OSHA PEL.

VENTILATION: MECHANICAL (GENERAL) ADEQUATE

PROTECTIVE GLOVES: RUBBER

EYE PROTECTION: CHEMICAL SPLASH GOGGLES

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

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

OTHER: EYE WASH FOUNTAIN.

X. REGULATORY INFORMATION

DOT SHIPPING NAME: CORROSIVE LIQUIDS, BASIC, INORGANIC, N.O.S., (SODIUM HYDROXIDE), 8, UN 3266, PG II

HAZARD CLASSIFICATION: CORROSIVE UN / NA NUMBER: UN 3266

DOT LABEL REQUIRED: CORROSIVE

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

SARA 313 REPORTABLE PRODUCT: SODIUM NITRITE

SARA TPQ: NA

CERCLA REPORTABLE QUANTITY OF PRODUCT: 88 GALLONS DUE TO SODIUM NITRITE.

HMIS RATING: HEALTH 1 FLAMMABILITY 1 REACTIVITY 1

DATE PREPARED: JUNE 2002

PREPARED BY: CHRIS BUNCH

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

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