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

MATERIAL SAFETY DATA SHEET

I. GENERAL INFORMATION

PRODUCT NAME: BLR 80

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

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

TRADE NAME: ALKALINITY BUILDER

CHEMICAL FORMULA: PROPRIETARY
CHEMICAL FAMILY: BOILER WATER TREATMENT

HEALTH	2
FLAMMABILITY	0
REACTIVITY	1
PERSONAL PROTECTION	D

II. HAZARDOUS INGREDIENTS

PRINCIPAL HAZARDOUS INGREDIENT(S):	% OF PRODUCT	PEL / TLV	CAS NO.
SODIUM HYDROXIDE	<25	PEL: 2MG/CU METER PER 8 HOUR TWA TLV: 2MG/CU METER PER 8HR. TWA	1310-73-2

III. PHYSICAL DATA

BOILING POINT (F):	250 (F)	SPECIFIC GRAVITY (H20=1):	1.26
VAPOR PRESSURE:	NE	PERCENT VOLATILE BY WEIGHT (%)	NON VOLATILE
VAPOR DENSITY:	NE	MELTING / FREEZING POINT (F):	N/A
SOLUBILITY IN WATER:	COMPLETE	PH:	APPROXIMATELY 14.0
APPEARANCE AND ODOR:	COLORLESS VISCOUS LIQUID;NO SPECIFIC ODOR		

IV. FIRE AND EXPLOSION DATA

FLASH POINT: N/A
FLAMMABLE LIMITS IN AIR, VOLUME PERCENTAGE (%):
AUTO IGNITION TEMPERATURE: NE
UPPER: N/A LOWER: N/A
EXTINGUISHER MEDIA: AS USED ON SURROUNDING FIRE
SPECIAL FIRE FIGHTING PROCEDURES: WEAR FULL PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING APPARATUS WHEN FIGHTING A FIRE INVOLVING BLR 80.

UNUSUAL FIRE/EXPLOSION HAZARDS: BLR 80 WILL REACT WITH SOME METALS, I.E. ALUMINUM, ZINC, AND TIN TO RELEASE FLAMMABLE HYDROGEN GAS.

V. PHYSICAL HAZARDS

STABILITY: STABLE CONDITIONS TO AVOID: NONE KNOWN
MATERIALS TO AVOID: ACIDS, PEROXIDES, ORGANIC HALOGENATED COMPOUNDS
HAZ. POLYMERIZATION: WILL NOT OCCUR CONDITIONS TO AVOID: NONE
HAZARDOUS DECOMPOSITION PRODUCTS: HYDROGEN WHEN CONTACTED BY TIN,ZINC,ALUMINUM

VI. HEALTH HAZARDS

ACUTE: CORROSIVE CHRONIC: NONE

SIGNS AND SYMPTOMS OF EXPOSURE: BLR 80 CAN CAUSE DESTRUCTIVE BURNS OF MUCOUS MEMBRANES, SKIN IRRITATION RESULTING WITH SCARRING AND RAPID DESTRUCTION OF EYE TISSUE.

MEDICAL CONDITIONS GENERALLY AGGREVATED BY EXPOSURE: INHALING BLR 80 MISTS CAN CAUSE DAMAGE TO THE 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. 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: LARGE AND SMALL SPILL: COMPLETELY CONTAIN ALL SPILLED MATERIAL. ABSORB ONTO INERT COMPOUND AND RECLAIM TO A CLOSED DOT APPROVED CONTAINER. NEUTRALIZE ANY REMAINING MATERIAL WITH DILUTE HYDROCHLORIC OR ACETIC ACID AND FLUSH 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 AND MATERIALS USED IN CLEANING UP SPILLS VIA AN APPROVED CHEMICAL WASTE DISPOSAL FIRM AND 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: LOCAL EXHAUST PREFERRED

PROTECTIVE GLOVES: NEOPRENE

EYE PROTECTION: CHEMICAL SPLASH GOGGLES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: IMPERVIOUS CLOTHING; SAFETY SHOWER AND EYE WASH FOUNTAIN.

WORK/HYGENIC PRACTICES: REMOVE ANY CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSE.

OTHER: MAINTAIN NEUTRALIZING SOLUTION ON HAND.

X. REGULATORY INFORMATION

DOT SHIPPING NAME: CAUSTIC ALKALI LIQUIDS, N.O.S., (SODIUM HYDROXIDE), 8, UN 1719, PG II

HAZARD CLASSIFICATION: CORROSIVE UN / NA NUMBER: UN 1719

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: 476 GALLONS DUE TO SODIUM HYDROXIDE CONTENT.

HMIS RATING: HEALTH 2 FLAMMABILITY 0 REACTIVITY 1

DATE PREPARED: FEBRUARY 2003

PREPARED BY: CHRIS BUNCH

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

THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM SOURCES BELIEVED TO BE RELIABLE AND IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL. ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT.