

MATERIAL SAFETY DATA SHEET

I. GENERAL INFORMATION

DISTRIBUTORS NAME AND ADDRESS

AMERISERV WATER TECHNOLOGY, L. L. C.
P. O. BOX 65010
ORANGE PARK, FL 32065-5010
EMERGENCY TELEPHONE NO 1-800-424-9300
TRADE NAME: CORROSION INHIBITOR

PRODUCT NAME: CWT 239
CHEMICAL FORMULA: PROPRIETARY
CHEMICAL FAMILY: COOLING WAT. TRT.

II. HAZARDOUS INGREDIENTS

PRINCIPAL HAZARDOUS INGREDIENTS		OSHA PEL OR ACGIH TLV	CAS NO.
SODIUM HYDROXIDE	2 <5	TLV: 2MG/CU METER PER 8 HOUR TWA	1310-73-2
BORAX	<10	PEL: 2MG/ CU METER PER 8 HR. TWA.	12179-04-3
SODIUM NITRITE	<15	PEL: 10MG/CU METER TLV: 1MG/CU METER NO PEL/TLV EST.	7632-00-0

III. PHYSICAL DATA

BOILING POINT (F)	>220(F)	SPECIFIC GRAVITY (W20=1)	1.16
VAPOR PRESSURE	NE	PERCENT VOLATILE BY WEIGHT (%)	NA
VAPOR DENSITY	NE	MELTING OR FREEZING POINT (F)	NA
SOLUBILITY IN WATER	COMPLETE	PH	APPROXIMATELY 12.0
APPEARANCE AND ODOR	DARK RED LIQUID, NO DISTINCT ODOR		

IV. FIRE AND EXPLOSION DATA

FLASH POINT (METHOD USED) N/A FLAMMABLE LIMITS IN AIR, % VOL. LOWER- N/A UPPER- N/A
AUTO IGNITION TEMPERATURE NE 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 AND EXPLOSION HAZARDS: CWT 239 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 CWT 239 MAY
CAUSE LOCAL IRRITATION ON SKIN AND SEVERE EYE IRRITATION.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NONE CURRENTLY KNOWN.

CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN I. A. R. C. NO NATIONAL TOXICOLOGY PROGRAM NO

VII. EMERGENCY AND FIRST AID PROCEDURES

TREAT SYMPTOMATICALLY 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: 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.

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/HYGIENE PRACTICES: CONTAMINATED CLOTHING SHOULD BE LAUNDERED BEFORE REUSE.

OTHER EYEWASH FOUNTAIN.

X. REGULATORY INFORMATION

DOT SHIPPING NAME: CORROSIVE LIQUIDS, N. O. S., (SODIUM 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 312 X 313 X

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

HMS: HEALTH 1 FLAMMABILITY 1 REACTIVITY 1

NE= NOT ESTABLISHED

NA= NOT APPLICABLE

NR= NOT REQUIRED

< = LESS THAN, > = GREATER THAN

DATE PREPARED: AUGUST, 1995

PREPARED BY: JAMES A. MULLOY

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