

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: SCALE RETARDANT, CORROSION INHIBITOR

PRODUCT NAME: CWT 33
CHEMICAL FORMULA: PROPRIETARY
CHEMICAL FAMILY: COOLING WAT. TRT.

II. HAZARDOUS INGREDIENTS

PRINCIPAL HAZARDOUS INGREDIENTS	%	OSHA PEL OR ACGIH TLV	CAS NO.
POTASSIUM HYDROXIDE	<20	TLV: 2MG/CU METER PER 8 HOUR TWA	1310-58-3

III. PHYSICAL DATA

BOILING POINT (F)	>220(F)	SPECIFIC GRAVITY (H2O=1)	1.094
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	LIGHT GOLDEN LIQUID; NO SPECIFIC ODOR		

IV. FIRE AND EXPLOSION DATA

FLASH POINT (METHOD USED) N/A
AUTO IGNITION TEMPERATURE NE
SPECIAL FIRE-FIGHTING PROCEDURES: WEAR FULL PROTECTIVE CLOTHING AND EQUIPMENT. WATER MAY BE USED TO KEEP FIRE-EXPOSED CONTAINERS COOL UNTIL FIRE IS OUT.

FLAMMABLE LIMITS IN AIR, % VOL. LOWER- N/A UPPER- N/A
EXTINGUISHER MEDIA AS USED ON SURROUNDING FIRE

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

V. PHYSICAL HAZARDS

STABILITY: STABLE
MATERIALS TO AVOID: ACIDIC SOLUTIONS
HAZ. POLYMERIZATION: WILL NOT OCCUR
HAZARDOUS DECOMPOSITION PRODUCTS: PHOSPHINES, CO, CO(2)

CONDITIONS TO AVOID: NONE
CONDITIONS TO AVOID: NONE

VI. HEALTH HAZARDS

ACUTE SKIN IRRITANT
SIGNS AND SYMPTOMS OF EXPOSURE IRRITATE SKIN TISSUE.
CHRONIC NONE
CONTINUOUS AND REPEATED CONTACT WITH CWT 33 MAY CAUSES SEVERE EYE IRRITATION WITH POSSIBLE INJURY.

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

VII. EMERGENCY AND FIRST AID PROCEDURES, CON'T.

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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. IMMEDIATELY SEEK MEDICAL ATTENTION.

VIII. ENVIRONMENTAL DATA: SPILL AND DISPOSAL PROCEDURES

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

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: MECHANICAL (GENERAL) PREFERRED

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

OTHER EYE WASH FOUNTAIN AND SAFETY SHOWER.

X. REGULATORY INFORMATION

DOT SHIPPING NAME: CORROSIVE LIQUIDS, N. O. S., (POTASSIUM HYDROXIDE), 8, UN 1760, PG 11

HAZARD CLASSIFICATION: CORROSIVE

UN/NA NUMBER: UN 1760

DOT LABEL REQUIRED: CORROSIVE

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

SARA 313 REPORTABLE PRODUCT:

SARA TPO:

CERCLA REPORTABLE QUANTITY OF PRODUCT: 733 GALLONS DUE TO POTASSIUM HYDROXID CONTENT.

HMIS: HEALTH 1 FLAMMABILITY 0 REACTIVITY 1

NE= NOT ESTABLISHED

NA= NOT APPLICABLE

NR= NOT REQUIRED

< = LESS THAN, > = GREATER THAN

DATE PREPARED: AUGUST, 1995

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