

SARGENT WELCH SCIENTIFIC CO.
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MATERIAL SAFETY DATA SHEET
PRODUCT NO. A1125, C3022F, C10258-001LT
10/5/88

CHEMTREC (800)-424-9300
DAY (312) 468-3700
24 HOUR EMERGENCY ASSISTANCE

SECTION I IDENTIFICATION
PRODUCT: ACETIC ACID SOLUTION, 1.0N(AQ)
TRADE/CHEMICAL
SYNONYMS:
FORMULA: SEE SECTION II
RTECS#:
C.A.S.#: SEE SECTION II

HEALTH (3)
FLAMMABILITY (0)
REACTIVITY (0)

HAZARD RATING

LEAST	SLIGHT	MODERATE	HIGH	EXTREME
0	1	2	3	4

SECTION II COMPONENT	MIXTURE COMPONENTS CAS NUMBER	%	TLV
ACETIC ACID	64-19-7	5.8	10 PPM TWA
WATER		BALANCE	

NA = NOT APPLICABLE
NE = NONE ESTABLISHED

SECTION III PHYSICAL CHARACTERISTIC INFORMATION
MELTING POINT (0)C: 0(0)C
BOILING POINT (0)C: 100(0)C
VAPOR PRESSURE
MM HG / C (0): NA
VAPOR DENSITY (AIR = 1): NA
SOLUBILITY IN WATER: 100%
APPEARANCE AND ODOR: CLEAR COLORLESS SOLUTION, VINEGAR ODOR.

SPECIFIC GRAVITY (H2O=1): 1
PERCENT VOLATILE BY VOLUME (%): NA
EVAPORATION RATE (-----=1): NA

SECTION IV FIRE / EXPLOSION HAZARD INFORMATION
FLASH POINT (0)C: NA (METHOD)
FLAMMABLE LIMITS IN AIR % BY VOLUME LOWER: UPPER:
FIRE EXTINGUISHER TYPE: USE ANY MEDIUM SUITABLE FOR EXTINGUISHING
SUPPORTING FIRE.

FIRE FIGHTING PROCEDURES (CALL FIRE DEPT. IMMEDIATELY): IN THE EVENT OF A FIRE, WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN THE PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE.

✓ FIRE / EXPLOSION HAZARDS: NOT CONSIDERED TO BE A FIRE/EXPLOSION HAZARD

D.O.T.: ACETIC ACID SOLUTION CORROSIVE MATERIAL UN2790
D.O.T.: REGULATIONS MAY CHANGE FROM TIME TO TIME. PLEASE CONSULT THE MOST RECENT D.O.T. REGULATIONS. ESSENTIALLY SIMILAR TO FORM OSHA-174

SECTION V HEALTH HAZARD INFORMATION
THRESHOLD LIMIT VALUE (TLV): SEE SECTION II
OVEREXPOSURE SYMPTOMS (WHEN IN DOUBT CALL A PHYSICIAN OR LOCAL POISON CONTROL CENTER. CORROSIVE, ACUTE: IRRITATION TO SKIN, EYES, LINGS, MUCOUS MEMBRANES, AND GI TRACT.
CHRONIC: DERMATITIS.

EMERGENCY AND FIRST AID PROCEDURES:
SKIN: WASH EXPOSED AREA WITH SOAP AND WATER. GET MEDICAL ADVICE IF IRRITATION OCCURS. EYES: WASH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, LIFITING LOWER AND UPPER EYELIDS OCCASIONALLY. GET MEDICAL ATTENTION IMMEDIATELY. INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. INGESTION: GIVE SEVERAL GLASSES OF WATER OR MILK TO DRINK. VOMITING MAY OCCUR SPONTANEOUSLY, BUT DO NOT INDUCE! NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION IMMEDIATELY. GIVE MILK OF MAGNESIA TO HELP NEUTRALIZE.

SECTION VI REACTIVITY INFORMATION
STABILITY UNSTABLE: CONDITIONS TO AVOID: NONE
STABLE: X

INCOMPATIBILITIES (MATERIALS TO AVOID): BASES

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON OXIDES
HAZARDOUS POLYMERIZATION
MAY OCCUR: WILL NOT OCCUR: X CONDITIONS TO AVOID: NONE

SECTION VII SPILL CLEANUP / DISPOSAL INFORMATION
CLEANUP METHOD(S): CLEANUP/DISPOSAL METHODS ARE RECOMMENDATIONS ONLY. CHECK YOUR LOCAL, STATE AND FEDERAL REGULATIONS.
DILUTE AND NEUTRALIZE WITH SODIUM BICARBONATE.

DISPOSAL METHOD(S): DISPOSE IN A RCRA-APPROVED WASTE FACILITY OR SEWER THE NEUTRALIZED SLURRY WITH EXCESS WATER IF LOCAL ORDINANCES ALLOW.

SECTION VIII PERSONAL PROTECTION RECOMMENDATIONS
RESPIRATORY PROTECTION
(SPECIFY TYPE): ACID/ORGANIC VAPOR CARTRIDGE
VENTILATION LOCAL EXHAUST: X
MECHANICAL (GENERAL): X
PROTECTIVE GLOVES: VINYL OR RUBBER EYE PROTECTION: FACESHIELD/GOGGLES
ETHER PROTECTIVE EQUIPMENT: APRON/LAB COAT

SECTION IX ADDITIONAL INFORMATION
STORE IN A COOL, WELL VENTIALATED LOCATION.
CONDITIONS AGGRAVATED/TARGET ORGANS: PERSONS WITH PREEXISTING SKIN, EYE, OR RESPIRATORY DISORDERS MAY BE MORE SUSCEPTIBLE.

REV. NO. 2 DATE 10/05/88 APPROVED K. KUCHEL SAFETY DIR. RMC
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"ISSUED BY SARGENT-WELCH 09/12/92"