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SAFETY DATA SHEET

SECTION 1. CHEMICAL IDENTIFICATION

CATALOG #:	51121
NAME:	Acetic acid 56%
24 HOUR EMERGENCY TELEPHONE:	(800) 535-5053(USA) 352-323-3500 (INTERNATIONAL)
TO REQUEST AN MSDS:	(800) 869-9290
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SECTION 2. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS CLASSIFICATION IN ACCORDANCE WITH 29 CFR 1910 (OSHA HCS)

SKIN CORROSION (CATEGORY 1B), H314

SERIOUS EYE DAMAGE (CATEGORY 1), H318

FOR THE FULL TEXT OF THE H-STATEMENTS MENTIONED IN THIS SECTION, SEE SECTION 16.

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

PICTOGRAM



SIGNAL WORD DANGER

HAZARD STATEMENT(S)

H314 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.

SUPPLEMENTAL HAZARD STATEMENTS CORROSIVE TO THE RESPIRATORY TRACT.

PRECAUTIONARY STATEMENT(S)

P264 WASH SKIN THOROUGHLY AFTER HANDLING.
P280 WEAR PROTECTIVE GLOVES/ PROTECTIVE CLOTHING/ EYE PROTECTION/ FACE PROTECTION.
P301 + P330 + P331 IF SWALLOWED: RINSE MOUTH. DO NOT INDUCE VOMITING.
P303 + P361 + P353 IF ON SKIN (OR HAIR): REMOVE/ TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/ SHOWER.
P304 + P340 + P310 IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. IMMEDIATELY CALL A POISON CENTER OR DOCTOR/ PHYSICIAN.
P305 + P351 + P338 + P310 F IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. IMMEDIATELY CALL A POISON CENTER/DOCTOR.
P363 WASH CONTAMINATED CLOTHING BEFORE REUSE.
P405 STORE LOCKED UP.
P501 DISPOSE OF CONTENTS/ CONTAINER TO AN APPROVED WASTE DISPOSAL PLANT.

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC) OR NOT COVERED BY GHS NONE

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE / MIXTURE MIXTURE

HAZARDOUS COMPONENTS

COMPONENT	CAS NO./UNIQUE ID	CONCENTRATION
ACETIC ACID	64-19-7	>= 50 - < 70

FOR THE FULL TEXT OF THE H-STATEMENTS MENTIONED IN THIS SECTION, SEE SECTION 16.

SECTION 4. FIRST-AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

GENERAL ADVICE FIRST AIDERS NEED TO PROTECT THEMSELVES.

IF INHALED	AFTER INHALATION: FRESH AIR. CALL IN PHYSICIAN.
IN CASE OF SKIN CONTACT	IN CASE OF SKIN CONTACT: TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/ SHOWER. CALL A PHYSICIAN IMMEDIATELY.
IN CASE OF EYE CONTACT	AFTER EYE CONTACT: RINSE OUT WITH PLENTY OF WATER. IMMEDIATELY CALL IN OPHTHALMOLOGIST. REMOVE CONTACT LENSES.
IF SWALLOWED	AFTER SWALLOWING: MAKE VICTIM DRINK WATER (TWO GLASSES AT MOST), AVOID VOMITING (RISK OF PERFORATION). CALL A PHYSICIAN IMMEDIATELY. DO NOT ATTEMPT TO NEUTRALISE.
MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED	THE MOST IMPORTANT KNOWN SYMPTOMS AND EFFECTS ARE DESCRIBED IN THE LABELLING (SEE SECTION 2.2) AND/OR IN SECTION 11.
INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED	NO DATA AVAILABLE

SECTION 5. FIRE AND EXPLOSION DATA

EXTINGUISHING MEDIA

SUITABLE EXTINGUISHING MEDIA	SUITABLE EXTINGUISHING MEDIA WATER FOAM CARBON DIOXIDE (CO2) DRY POWDER
	UNSUITABLE EXTINGUISHING MEDIA FOR THIS SUBSTANCE/MIXTURE NO LIMITATIONS OF EXTINGUISHING AGENTS ARE GIVEN.
SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE	MIXTURE WITH COMBUSTIBLE INGREDIENTS. VAPORS ARE HEAVIER THAN AIR AND MAY SPREAD ALONG FLOORS. FORMS EXPLOSIVE MIXTURES WITH AIR AT ELEVATED TEMPERATURES. DEVELOPMENT OF HAZARDOUS COMBUSTION GASES OR VAPOURS POSSIBLE IN THE EVENT OF FIRE. FIRE MAY CAUSE EVOLUTION OF: ACETIC ACID VAPOURS
HAZARDOUS COMBUSTION PRODUCTS	CARBON OXIDES

SPECIFIC EXTINGUISHING METHODS	NO DATA AVAILABLE
SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS	STAY IN DANGER AREA ONLY WITH SELF-CONTAINED BREATHING APPARATUS. PREVENT SKIN CONTACT BY KEEPING A SAFE DISTANCE OR BY WEARING SUITABLE PROTECTIVE CLOTHING.
FURTHER INFORMATION	REMOVE CONTAINER FROM DANGER ZONE AND COOL WITH WATER. PREVENT FIRE EXTINGUISHING WATER FROM CONTAMINATING SURFACE WATER OR THE GROUND WATER SYSTEM.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES	ADVICE FOR NON-EMERGENCY PERSONNEL: AVOID SUBSTANCE CONTACT. DO NOT BREATHE VAPORS, AEROSOLS. ENSURE ADEQUATE VENTILATION. EVACUATE THE DANGER AREA, OBSERVE EMERGENCY PROCEDURES, CONSULT AN EXPERT. ADVICE FOR EMERGENCY RESPONDERS: PROTECTIVE EQUIPMENT SEE SECTION 8. ADVICE FOR EMERGENCY RESPONDERS: FOR PERSONAL PROTECTION SEE SECTION 8.
ENVIRONMENTAL PRECAUTIONS	DO NOT EMPTY INTO DRAINS.
METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP	COVER DRAINS. COLLECT, BIND, AND PUMP OFF SPILLS. OBSERVE POSSIBLE MATERIAL RESTRICTIONS (SEE SECTIONS 7 AND 10). TAKE UP WITH LIQUID-ABSORBENT AND NEUTRALISING MATERIAL. DISPOSE OF PROPERLY. CLEAN UP AFFECTED AREA.
REFERENCE TO OTHER SECTIONS	FOR DISPOSAL SEE SECTION 13.

SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING	ADVICE ON SAFE HANDLING : OBSERVE LABEL PRECAUTIONS. FURTHER INFORMATION ON STORAGE CONDITIONS : TIGHTLY CLOSED. STORAGE CLASS : 8A, COMBUSTIBLE, CORROSIVE HAZARDOUS MATERIALS
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CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES KEEP CONTAINER TIGHTLY CLOSED IN A DRY AND WELL-VENTILATED PLACE. KEEP AWAY FROM HEAT AND SOURCES OF IGNITION.
STORAGE CLASS (TRGS 510): 3: FLAMMABLE LIQUIDS.

STORE AT RT

SPECIFIC END USE(S) APART FROM THE USES MENTIONED IN SECTION 1.2 NO OTHER SPECIFIC USES ARE STIPULATED.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

COMPONENTS WITH WORKPLACE CONTROL PARAMETERS

COMPONENT	CAS-NO.	VALUE	CONTROL PARAMETERS	BASIS
ACETIC ACID	64-19-7	TWA	10 PPM	ACGIH
		STEL	15 PPM	ACGIH
		TWA	10 PPM 25 MG/M3	NIOSH REL
		ST	15 PPM 37 MG/M3	NIOSH REL
		TWA	10 PPM 25 MG/M3	OSHA Z-1

EXPOSURE CONTROLS

APPROPRIATE ENGINEERING CONTROLS NO DATA AVAILABLE

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION USE EQUIPMENT FOR EYE PROTECTION TESTED AND APPROVED UNDER APPROPRIATE GOVERNMENT STANDARDS SUCH AS NIOSH (US) OR EN 166(EU).
TIGHTLY FITTING SAFETY GOGGLES

SKIN PROTECTION**HAND PROTECTION**

MATERIAL : BUTYL-RUBBER
BREAK THROUGH TIME : 480 MIN
GLOVE THICKNESS : 0.7 MM
PROTECTIVE INDEX : FULL CONTACT
MANUFACTURER : BUTOJECT (KCL 898)

MATERIAL : LATEX GLOVES
BREAK THROUGH TIME : 30 MIN
GLOVE THICKNESS : 0.6 MM
PROTECTIVE INDEX : SPLASH CONTACT
MANUFACTURER : LAPREN® (KCL 706, SIZE M)

REMARKS : THIS RECOMMENDATION APPLIES ONLY TO THE PRODUCT STATED IN THE SAFETY DATA SHEET, SUPPLIED BY US AND FOR THE DESIGNATED USE. WHEN DISSOLVING IN OR MIXING WITH OTHER SUBSTANCES AND UNDER CONDITIONS DEVIATING FROM THOSE STATED IN EN 16523-1 PLEASE CONTACT THE SUPPLIER OF CE-APPROVED GLOVES.

BODY PROTECTION

FLAME RETARDANT ANTISTATIC PROTECTIVE CLOTHING.

RESPIRATORY PROTECTION

REQUIRED WHEN VAPOURS/AEROSOLS ARE GENERATED. OUR RECOMMENDATIONS ON FILTERING RESPIRATORY PROTECTION ARE BASED ON THE FOLLOWING STANDARDS: DIN EN 143, DIN 14387 AND OTHER ACCOMPANYING STANDARDS RELATING TO THE USED RESPIRATORY PROTECTION SYSTEM.

RECOMMENDED FILTER TYPE: : FILTER E-(P2)

HYGIENE MEASURES

IMMEDIATELY CHANGE CONTAMINATED CLOTHING. APPLY PREVENTIVE SKIN PROTECTION. WASH HANDS AND FACE AFTER WORKING WITH SUBSTANCE.

CONTROL OF ENVIRONMENTAL EXPOSURE

DO NOT LET PRODUCT ENTER DRAINS. RISK OF EXPLOSION.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	LIQUID WITH A SHARP ODOR
ODOUR	STINGING
ODOUR THRESHOLD	NO DATA AVAILABLE
PH	1.3 - 1.8 (68 °F / 20 °C)
MELTING	CA. -13 °F / -25 °C
POINT/FREEZING POINT	CA. 216 °F / 102 °C (1,013 HPA)

INITIAL BOILING POINT AND BOILING RANGE	NO DATA AVAILABLE
FLASH POINT	DOES NOT FLASH
EVAPOURATION RATE	NO DATA AVAILABLE
FLAMMABILITY (SOLID, GAS)	NO DATA AVAILABLE
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS	NO DATA AVAILABLE
VAPOUR PRESSURE	NO DATA AVAILABLE
VAPOUR DENSITY	NO DATA AVAILABLE
RELATIVE DENSITY	NO DATA AVAILABLE
WATER SOLUBILITY	SOLUBLE (68 °F / 20 °C)
PARTITION COEFFICIENT: N-OCTANOL/WATER	NO DATA AVAILABLE
AUTO-IGNITION TEMPERATURE	905 °F / 485 °C
DECOMPOSITION TEMPERATURE	NO DATA AVAILABLE
VISCOSITY	NO DATA AVAILABLE
EXPLOSIVE PROPERTIES	NOT CLASSIFIED AS EXPLOSIVE.
OXIDIZING PROPERTIES	NONE

OTHER SAFETY INFORMATION

RELATIVE VAPOR DENSITY	1.07 G/CM3 (68 °F / 20 °C)
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SECTION 10. STABILITY AND REACTIVITY

REACTIVITY	NO DATA AVAILABLE
CHEMICAL STABILITY	THE PRODUCT IS CHEMICALLY STABLE UNDER STANDARD AMBIENT CONDITIONS (ROOM TEMPERATURE).

**POSSIBILITY OF
HAZARDOUS
REACTIONS**

RISK OF EXPLOSION WITH:
CHROMIUM(VI) OXIDE
POTASSIUM PERMANGANATE
PEROXI COMPOUNDS
PERCHLORIC ACID
NITRATES
HYDROGEN PEROXIDE
CHROMOSULFURIC ACID
SODIUM HYDROSULFIDE

EXOTHERMIC REACTION WITH:
METALS
IRON
ZINC
MAGNESIUM
ALKALI HYDROXIDES
NONMETALLIC HALIDES
ETHANOLAMINE
ACETIC ANHYDRIDE
ALDEHYDES
ALCOHOLS
HALOGEN-HALOGEN COMPOUNDS
CHLOROSULFONIC ACID
STRONG ALKALIS
NITRIC ACID
FUMING SULFURIC ACID
STRONG OXIDIZING AGENTS
ACETALDEHYDE
ETHYLENE GLYCOL
ALLYLAMINE
RISK OF IGNITION OR FORMATION OF INFLAMMABLE
GASES OR VAPOURS WITH:
AMMONIUM NITRATE
POTASSIUM TERT-BUTANOLATE

**CONDITIONS TO
AVOID**

NO DATA AVAILABLE

**INCOMPATIBLE
MATERIALS**

VARIOUS METALS (GENERATION OF HYDROGEN)

**HAZARDOUS
DECOMPOSITION
PRODUCTS**

IN THE EVENT OF FIRE: SEE SECTION 5

SECTION 11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

MIXTURE

ACUTE TOXICITY	ACUTE TOXICITY ESTIMATE ORAL - > 5,000 MG/KG (CALCULATION METHOD)
	INHALATION: NO DATA AVAILABLE
	DERMAL: NO DATA AVAILABLE
	NO DATA AVAILABLE
SKIN CORROSION/IRRITATION	NO DATA AVAILABLE
SERIOUS EYE DAMAGE/EYE IRRITATION	REMARKS: MIXTURE CAUSES SERIOUS EYE DAMAGE. REMARKS: RISK OF CORNEAL CLOUDING. RISK OF PERFORATION! RISK OF BLINDNESS!
RESPIRATORY OR SKIN SENSITISATION	NO DATA AVAILABLE
GERM CELL MUTAGENICITY	NO DATA AVAILABLE
CARCINOGENICITY	
IARC:	NO INGREDIENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS PROBABLE, POSSIBLE OR CONFIRMED HUMAN CARCINOGEN BY IARC.
NTP:	NO INGREDIENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A KNOWN OR ANTICIPATED CARCINOGEN BY NTP.
OSHA:	NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS ON OSHA'S LIST OF REGULATED CARCINOGENS.
REPRODUCTIVE TOXICITY	NO DATA AVAILABLE
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	NO DATA AVAILABLE
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE	NO DATA AVAILABLE
ASPIRATION HAZARD	NO DATA AVAILABLE

**ADDITIONAL
INFORMATION**

SYSTEMIC EFFECTS:
GASTRIC SPASMS
SHOCK
CIRCULATORY COLLAPSE
ACIDOSIS

POSSIBLE DAMAGES:
DAMAGE TO: KIDNEY

OTHER DANGEROUS PROPERTIES CAN NOT BE
EXCLUDED.

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL
HYGIENE AND SAFETY PRACTICE.

**COMPONENTS
ACETIC ACID**

ACUTE TOXICITY

LD50 ORAL - RAT - 3,310 MG/KG
REMARKS: (RTECS)
LC50 INHALATION - MOUSE - 4 H - 2,819 MG/L - VAPOR
REMARKS: (RTECS)
DERMAL: NO DATA AVAILABLE
NO DATA AVAILABLE

**SKIN
CORROSION/IRRITATION**

SKIN – RABBIT
RESULT: CAUSES BURNS. - 4 H
(OECD TEST GUIDELINE 404)
REMARKS: CLASSIFIED ACCORDING TO REGULATION
(EU) 1272/2008, ANNEX VI (TABLE 3.1/3.2)

**SERIOUS EYE
DAMAGE/EYE
IRRITATION**

EYES – RABBIT
RESULT: CAUSES BURNS. - 4 H
(OECD TEST GUIDELINE 405)
REMARKS: (IUCLID)
REMARKS: CAUSES SERIOUS EYE DAMAGE.

**RESPIRATORY OR SKIN
SENSITIZATION**

NO DATA AVAILABLE

**GERM CELL
MUTAGENICITY**

TEST TYPE: AMES TEST
TEST SYSTEM: SALMONELLA TYPHIMURIUM
RESULT: NEGATIVE
TEST TYPE: MUTAGENICITY (MAMMAL CELL TEST):
CHROMOSOME ABERRATION.
TEST SYSTEM: CHINESE HAMSTER OVARY CELLS
RESULT: NEGATIVE
METHOD: MUTAGENICITY (MICRONUCLEUS TEST)
SPECIES: RAT - MALE AND FEMALE - BONE MARROW
RESULT: NEGATIVE

CARCINOGENICITY

NO DATA AVAILABLE

**REPRODUCTIVE
TOXICITY**

NO DATA AVAILABLE

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	NO DATA AVAILABLE
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE	NO DATA AVAILABLE
ASPIRATION HAZARD	NO DATA AVAILABLE

SECTION 12. ECOLOGICAL INFORMATION

PRODUCT: TOXICITY TO FISH	REMARKS: NO DATA AVAILABLE
COMPONENTS: ACETIC ACID:	
TOXICITY TOXICITY TO FISH	LC50 (ONCORHYNCHUS MYKISS (RAINBOW TROUT)): > 1,000 MG/L END POINT: MORTALITY EXPOSURE TIME: 96 H TEST TYPE: SEMI-STATIC TEST METHOD: OECD TEST GUIDELINE 203 GLP: YES
TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES	EC50 (DAPHNIA MAGNA (WATER FLEA)): > 1,000 MG/L END POINT: IMMOBILIZATION EXPOSURE TIME: 48 H TEST TYPE: STATIC TEST ANALYTICAL MONITORING: YES METHOD: OECD TEST GUIDELINE 202 GLP: YES
TOXICITY TO ALGAE/AQUATIC PLANTS	EC50 (SKELETONEMA COSTATUM): > 1,000 MG/L EXPOSURE TIME: 72 H TEST TYPE: STATIC TEST METHOD: ISO 10253 GLP: YES
TOXICITY TO MICROORGANISMS	EC5 (PSEUDOMONAS PUTIDA): 2,850 MG/L EXPOSURE TIME: 16 H REMARKS: NEUTRAL (MAXIMUM PERMISSIBLE TOXIC CONCENTRATION) (LIT.) EC50 (PHOTOBACTERIUM PHOSPHOREUM): 11 MG/L EXPOSURE TIME: 15 MIN TEST TYPE: MICROTOX TEST REMARKS: (IUCLID)

PERSISTENCE AND DEGRADABILITY

PRODUCT: BIODEGRADABILITY	REMARKS: NO DATA AVAILABLE
COMPONENTS: ACETIC ACID: BIODEGRADABILITY	RESULT: READILY BIODEGRADABLE. BIODEGRADATION: 99 % EXPOSURE TIME: 30 D METHOD: OECD TEST GUIDELINE 301D REMARKS: (HSDB)
BIOCHEMICAL OXYGEN DEMAND (BOD)	RESULT: READILY ELIMINATED FROM WATER BIODEGRADATION: 95% EXPOSURE TIME: 5 D METHOD: OECD TEST GUIDELINE 302B 880 MG/G INCUBATION TIME: 5 D REMARKS: (LIT.)
RATIO BOD/THBOD	76 % REMARKS: (IUCLID)
BIOACCUMULATIVE POTENTIAL	
PRODUCT: BIOACCUMULATION	REMARKS: NO DATA AVAILABLE
COMPONENTS: ACETIC ACID: PARTITION COEFFICIENT: NOCTANOL/WATER	LOG POW: -0.17 (77 °F / 25 °C) PH: 7 METHOD: (EXPERIMENTAL) REMARKS: BIOACCUMULATION IS NOT EXPECTED. (ECHA)
MOBILITY IN SOIL	NO DATA AVAILABLE
RESULTS OF PBT AND VPVB ASSESSMENT	PBT/VPVB ASSESSMENT NOT AVAILABLE AS CHEMICAL SAFETY ASSESSMENT NOT REQUIRED/NOT CONDUCTED.
OTHER ADVERSE EFFECTS	
PRODUCT OZONE-DEPLETION POTENTIAL	REGULATION: 40 CFR PROTECTION OF ENVIRONMENT; PART 82 PROTECTION OF STRATOSPHERIC OZONE - CAA SECTION 602 CLASS I SUBSTANCES REMARKS: THIS PRODUCT NEITHER CONTAINS, NOR WAS MANUFACTURED WITH A CLASS I OR CLASS II ODS AS DEFINED BY THE U.S. CLEAN AIR ACT SECTION 602 (40 CFR 82, SUBPT. A, APP.A + B).
ADDITIONAL ECOLOGICAL INFORMATION	BIOLOGICAL EFFECTS: HARMFUL EFFECT DUE TO PH SHIFT. CAUSTIC EVEN IN DILUTED FORM. DISCHARGE INTO THE ENVIRONMENT MUST BE AVOIDED.
COMPONENTS: ACETIC ACID:	

**RESULTS OF PBT AND
VPVB ASSESSMENT**

SUBSTANCE DOES NOT MEET THE CRITERIA FOR PBT
OR VPVB ACCORDING TO REGULATION (EC) NO
1907/2006, ANNEX XIII.

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

PRODUCT	WASTE MATERIAL MUST BE DISPOSED OF IN ACCORDANCE WITH THE NATIONAL AND LOCAL REGULATIONS. LEAVE CHEMICALS IN ORIGINAL CONTAINERS. NO MIXING WITH OTHER WASTE.
CONTAMINATED PACKAGING	DISPOSE OF AS UNUSED PRODUCT.

SECTION 14. TRANSPORT INFORMATION

DOT (US)

PROPER SHIPPING NAME:	ACETIC ACID SOLUTION
UN NUMBER:	2790
CLASS:	8
PACKING GROUP:	II
REPORTABLE QUANTITY (RQ):	
POISON INHALATION HAZARD:	NO

IMDG

PROPER SHIPPING NAME:	ACETIC ACID SOLUTION
UN NUMBER:	2790
CLASS:	8
PACKING GROUP:	II
EMS-NO:	F-A, S-B
MARINE POLLUTANT	NO

IATA

PROPER SHIPPING NAME:	ACETIC ACID SOLUTION
UN NUMBER:	2790
CLASS:	8
PACKING GROUP:	II

SPECIAL PRECAUTIONS FOR USER

THE TRANSPORT CLASSIFICATION(S) PROVIDED HEREIN ARE FOR INFORMATIONAL PURPOSES ONLY, AND SOLELY BASED UPON THE PROPERTIES OF THE UNPACKAGED MATERIAL AS IT IS DESCRIBED WITHIN THIS SAFETY DATA SHEET. TRANSPORTATION CLASSIFICATIONS MAY VARY BY MODE OF TRANSPORTATION, PACKAGE SIZES, AND VARIATIONS IN REGIONAL OR COUNTRY REGULATIONS.

SECTION 15. REGULATORY INFORMATION

CERCLA REPORTABLE QUANTITY

COMPONENTS	CAS-NO.	COMPONENT RQ (LBS)	CALCULATED PRODUCT RQ (LBS)
ACETIC ACID	64-19-7	5000	8333

SARA 304 EXTREMELY HAZARDOUS SUBSTANCES REPORTABLE QUANTITY

THIS MATERIAL DOES NOT CONTAIN ANY COMPONENTS WITH A SECTION 304 EHS RQ.

SARA 302 EXTREMELY HAZARDOUS SUBSTANCES THRESHOLD PLANNING QUANTITY

THIS MATERIAL DOES NOT CONTAIN ANY COMPONENTS WITH A SECTION 302 EHS TPQ.

SARA 313

THIS MATERIAL DOES NOT CONTAIN ANY CHEMICAL COMPONENTS WITH KNOWN CAS NUMBERS THAT EXCEED THE THRESHOLD (DE MINIMIS) REPORTING LEVELS ESTABLISHED BY SARA TITLE III, SECTION 313.

CLEAN AIR ACT

THIS PRODUCT NEITHER CONTAINS, NOR WAS MANUFACTURED WITH A CLASS I OR CLASS II ODS AS DEFINED BY THE U.S. CLEAN AIR ACT SECTION 602 (40 CFR 82, SUBPT. A, APP. A + B).

THIS PRODUCT DOES NOT CONTAIN ANY HAZARDOUS AIR POLLUTANTS (HAP), AS DEFINED BY THE U.S. CLEAN AIR ACT SECTION 112 (40 CFR 61).

THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS LISTED UNDER THE U.S. CLEAN AIR ACT SECTION 112(R) FOR ACCIDENTAL RELEASE PREVENTION (40 CFR 68.130, SUBPART F). THE FOLLOWING CHEMICAL(S) ARE LISTED UNDER THE U.S. CLEAN AIR ACT SECTION 111 SOCM I INTERMEDIATE OR FINAL VOC'S (40 CFR 60.489):

ACETIC ACID	64-19-7	>= 50 - < 70
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CLEAN WATER ACT

THE FOLLOWING HAZARDOUS SUBSTANCES ARE LISTED UNDER THE U.S. CLEANWATER ACT, SECTION 311, TABLE 116.4A:

ACETIC ACID	64-19-7	>= 50 - < 70
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THE FOLLOWING HAZARDOUS CHEMICALS ARE LISTED UNDER THE U.S. CLEANWATER ACT, SECTION 311, TABLE 117.3:

ACETIC ACID	64-19-7	>= 50 - < 70
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THIS PRODUCT DOES NOT CONTAIN ANY TOXIC POLLUTANTS LISTED UNDER THE U.S. CLEAN WATER ACT SECTION 307

THIS PRODUCT DOES NOT CONTAIN ANY PRIORITY POLLUTANTS RELATED TO THE U.S. CLEAN WATER ACT

US STATE REGULATIONS

MASSACHUSETTS RIGHT TO KNOW COMPONENTS

ACETIC ACID	64-19-7
WATER	7732-18-5

PENNSYLVANIA RIGHT TO KNOW COMPONENTS

ACETIC ACID

64-19-7

MAINE CHEMICALS OF HIGH CONCERN

PRODUCT DOES NOT CONTAIN ANY LISTED CHEMICALS

VERMONT CHEMICALS OF HIGH CONCERN

PRODUCT DOES NOT CONTAIN ANY LISTED CHEMICALS

WASHINGTON CHEMICALS OF HIGH CONCERN

PRODUCT DOES NOT CONTAIN ANY LISTED CHEMICALS

THE INGREDIENTS OF THIS PRODUCT ARE REPORTED IN THE FOLLOWING INVENTORIES:

TSCA ALL SUBSTANCES LISTED AS ACTIVE ON THE TSCA INVENTORY

TSCA LIST

NO SUBSTANCES ARE SUBJECT TO A SIGNIFICANT NEW USE RULE.

NO SUBSTANCES ARE SUBJECT TO TSCA 12(B) EXPORT NOTIFICATION REQUIREMENTS.

SECTION 16. OTHER INFORMATION

FULL TEXT OF H-STATEMENTS REFERRED TO UNDER SECTIONS 2 AND 3.

H314 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.

MSDS LEGEND

MW: MOLECULAR WEIGHT
MF: MOLECULAR FORMULA
VOC: VOLATILE ORGANIC COMPOUNDS
ACGIH: AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS
CAS: CHEMICAL ABSTRACTS SERVICE REGISTRY NUMBER
OSHA: OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PEL: PERMISSIBLE EXPOSURE LIMIT (OSHA)
TLV: THRESHOLD LIMIT VALUE (ACGIH)

IMPORTANT:

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