View NSN Online: https://aerobasegroup.com/nsn/6810-00-141-2942

Product ID:CITRIC ACID, ANHYDROUS

MSDS Date:07/22/1996

FSC:6810

NIIN:00-141-2942

MSDS Number: CGLQW === Responsible Party ===

Company Name: STALEY A E MFG CO

Address:2200 E. ELDORDO ST

Box:151

City:DECATUR

State:IL

ZIP:62525-1801

Country:US

Info Phone Num:217-423-4411

Emergency Phone Num:800-424-9300

(CHEMTREC) CAGE:KO212

=== Contractor Identification ===

Company Name: CRIMSON ASSOCIATES

Box:UNKNOW CAGE:05VC9

Company Name: STALEY A E MFG CO

Address:2200 E ELDORADO ST.

Box:151

City:DECATUR

State:IL

ZIP:62525-1801

Country:US

Phone:217-421-2342

CAGE:56488

Company Name: STALEY A E MFG CO

Address:2200 E. ELDORDO ST

Box:151

City:DECATUR

State:IL

ZIP:62525-1801

Country:US

Phone:217-423-4411

CAGE:KO212

====== Composition/Information on Ingredients ========

Ingred Name: CITRIC ACID

CAS:77

-92-9

RTECS #:GE7350000 Fraction by Wt: 100%

Other REC Limits: NONE RECOMMENDED

=========== Hazards Identification ==========================

LD50 LC50 Mixture:ORLA RAT LD50=8730MG/KG.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE:EYE:SEVERELY IRRIT.IF NOT

REMOVED PROMPTLY MAY INJURE EYE TISSUE AND MAY RESULT IN PERM EYE DMG.INGEST:MAY CAUSE GI IRRIT W/NAU,VOMITING,DIARR.INHAL:D

UST MAY

CAUSE MILD SYMPTOMS OF RESPIRAORY IR RIT.SKIN:PRODUCT IS CONSIDERED MODERATESKIN IRRITANT.CHRONIC:NONE IDENTIFIED.

Explanation of Carcinogenicity:PER MSDS:NOT CONSIDERED CARC BY NTP/IARC/OSHA.

Effects of Overexposure:PRODUCT CONSIDERED TO BE SEVERE EYE IRRIT,MODERATE SKIN IRRIT.CHRONIC:NONE ID.WHEN PARTICULATE LEVELS PRESENT IN WORKPLACE ARE SUFFICIENTLY HIGH,TREAT AS NUISANCE DUST.DUST MAY BE IRRIT TO NOSE/EYES.

Medical Cond Aggravated by Exposure: INHAL NUISANCE

DUST IN WORKRM AIR

MAY SERIOUSLY REDUCE VISIBILITY, CAUSE UNPLEASANT DEPOSITS IN EYES/EARS/NASAL PASSAGES, CAUSE INJURY TO SKIN/MUC MEMBRAN BY CHEM/MECH ACTION FRM SKIN CLEANING FOR REMOV

First Aid:EYE:IMMED FLUSH W/PLENTY OF WATER.IRRIT DVLPS/PERSIST GET MED ATTN.INGEST:SMALL AMTS MAY CAUSE GI IRRIT W/NAU,VOMIT,DIARR.LG AMTS DONT INDUCE VOMIT BUT GIVE 1-2 GLASSES OF H2O.SEEK MED ATTN.INHAL:REMO VE TO FR

ESH AIR.GET MED ATTN IF

NECESSARY.SKIN:REMOVE CONTAM CLOTH.THOROUGHLY WASH EXPO AREA W/SOAP/WATER.GET MED ATTN IF IRRIT DVLPS/PERSIST.

========= Fire Fighting Measures ==============

Flash Point:>212F,>100C

Autoignition Temp: Autoignition Temp Text: NP

Lower Limits:NP Upper Limits:NP

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE OR DRY CHEMICAL EXTINGUISHERS.

Fire Fighting Procedures: NONE.BUT AS IN ANY FIRE WEAR NIOSH/MSHA APPROVED OR EQUIVALENT SELF-CONTAI

NED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:PRODUCT NOT FLAMM BUT IN CONTACT

W/PEACTIVE METALS CAN FORM FLAMM HYDROCEN CAS WHEN HEATED TO

W/REACTIVE METALS CAN FORM FLAMM HYDROGEN GAS.WHEN HEATED TO DECOMPOSITION CITRIC ACID EMITS ACRID SMOKE/FUMES.

======== Accidental Release Measures ============

Spill Release Procedures:SWEEP UP W/VACUUM OR BROOM AND SHOVEL & PLACE IN CNTNRS FOR DISPO.FLUSH AREA W/WATER TO REMOVE TRACE MATL.FOLLOW ALL STATE & LOCAL REQMTS FOR DISPOSAL OF WASTES NOT CURRENTLY REGULATED

UNDER RCRA AS H AZ WASTES.

Neutralizing Agent:NOT APPLICABLE;RESIDUE MAY BE NEUTRALIZE W/SODA ASH OR SODIUM BICARBONATE.

Handling and Storage Precautions:AVOID PROL/REP CONTACT W/SKIN.AVOID CONTACT W/EYES.MIN DUST GENERATION/ACCUMULATION.USE ONLY IN WELL-VENTI AREA.

Other Precautions:STORE IN TIGHTLY CLSD CNTNR IN DRY COOL WELL-VENTI AREA AWAY FROM INCOMPATIBLE MATLS.DONT STORE IN UNLABELED CNTNRS.AQUEOUS S

OLN OF CITRIC ACID CAN IF IN CONTACT W/REACTIVE METAL(IRON,ZINC,ALUMINUM)FO RM HYDROGEN WHICH MAY FORM EXPLO(SUPPLE)

====== Exposure Controls/Personal Protection ========

Respiratory Protection: USE NIOSH/MSHA APPROVED MASK WHEN WORKING CONDITIONS GENERATE DUSTY OR AIRBORNE PARTICULATE CONCENTRATIONS ABOVE PERMISSIBLE EXPO LIMIT(PEL) FOR NUISANCE DUST.

Ventilation:USE PROCESS ENCLOSURES,LOC EXHAU VENTI,OTHER ENGINEERING CNTRLS TO CNTRL AIRBORNE PARTICULATE CONCE

N BEL PEL FOR (SUPPL)

Protective Gloves: CHEM RESIST-RUBB(LATEX, NEOPRENE, (SUPPLE)

Eye Protection: SAF GLASSES W/SIDESHIELD, CHEM SPLASH GOG

Other Protective Equipment:CHOICE OF EYE PROTECTION SHOULD BE APPROPRIATE TO TASK BEING PERFORMED.USE GOOD INDUSTRIAL HYGIENE PRACTICE.

Work Hygienic Practices:LAUNDER CONTAM CLOTH BEF REUSE.PRACTICE GOOD HOUSEKEEPING.WASH W/SOAP/WATER.

Supplemental Safety and Health

PH(0.1N% SOLN)=2.2. OTHER PRECAUT:MIXTURES.CAN ALSO FORM EXPLOSIVE MIXTURES W/M

ETAL NITRATES. VENTI:NUISANCE DUST. GLVOES:POLYVINYL ALCOHOL). DISPO:NOT SUBJ TO SEC 313 SARA/CERCLA.SUBJ TO MSDS/CHEM IN VENTORY REPORTING UNDER SEC 311/312 OF SARA.

	Ph	ysical/Chemical Properties	
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HCC:C3

Boiling Pt:B.P. Text:DECOMPOSES Melt/Freeze Pt:M.P/F.P Text:307F,153C

Decomp Temp:Decomp Text:NP

Vapor Pres:NA Vapor Density:NA Spec Gravity:1.5-1.7

pH:SUPPLE Viscosity:NP

Evaporation Rate & Damp; Reference: NA

Solubility in Water:>50%

Appearance and

Odor:WHITE, ODORLESS POWDER OR GRANULES, SOLID

Percent Volatiles by Volume:NP

Corrosion Rate:NP

======== Stability and Reactivity Data ==========

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS, STRONG BASES, ALKALI METALS ORGANIC ACIDS, METALLIC NITRATES, OXIDES OF SULFUR.

Stability Condition to Avoid: MAY DECOMPOSE IF HEATED ABOVE 212F.

Hazardous Decomposition Products: TYPICAL DECOMPOSITION PRODUCTS INCLUDE CARBON MONOXIDE AND CARBON DIOXIDE.

==== Disposal Considerations =========

Waste Disposal Methods:MATL IS NOT KNOWN TO CAUSE SIGNIFICANT ADVERSE ENVIRO IMPACT.DISPO OF IN APPROV LANDFILL OR NEUTRALIZE & FLUSH TO DRAIN.RESIDUE MAY BE NEUTRALIZED W/SODA ASH OR SODIUM BICARBONATE.ALL DISPO PROCEDURES SHOULD BE REVIEWED W/SATE/LOC REG AGENCIES.(SUPP)

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