

BRENNTAG PACIFIC, INC. 10747 PATTERSON PLACE SANTA FE SPRINGS, CA 90670
PHONE#... (562)903 9626 MSDS#... 7106 4/11/07 PAGE 1

MATERIAL SAFETY DATA SHEET CITRIC ACID, SOLUTION (30% - 50%)

Section 01 Identification

Info Furnished By..... BRENNTAG PACIFIC, INC.
Address..... 10747 PATTERSON PLACE, SANTA FE SPRINGS, CA 90670
Emergency Phone #..... (562) 903-9626 CHEMTREC: (800) 424-9300
Date Effective..... 06/18/93 REVISED: 04/11/07
Product or Trade Name..... CITRIC ACID, SOLUTION (30% - 50%)
HAZARDOUS INGREDIENTS CAS REGISTRATION # HAZARD DATA
OVER 1% IN MIX:

CITRIC ACID 77-92-9 ORAL - RAT LD50 = 11.7 MG/KG
SKIN - RABBIT = 500 MG/24 HR.

Section 02 Physical Data

Boiling Point (760 MM HG).. LIKE WATER 100 DEG. F
% Volatile By Volume..... N/A
Melting Point..... N/A
Vapor Pressure (20 Deg C).. N/A
Vapor Density (Air=1)..... N/A
Solubility In Water..... COMPLETELY
Appearance & Color..... CLEAR, ODORLESS AND COLORLESS LIQUID
Specific Gravity..... 1.12 - 1.24
Evaporation Rate (Bu.Ac.=1) LIKE WATER

Section 03 Fire And Explosion Hazard Data

FLAMMABLE LIMIT IN AIR, BY VOL..... LOWER - N/A
UPPER - N/A

EXTINGUISHING MEDIA:
WATER.

SPECIAL FIRE FIGHTING PROCEDURES:
NONE.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
NONE.

Section 04 Reactivity Data

STABILITY:
STABLE.

HAZARDOUS POLYMERIZATION:
WILL NOT OCCUR.

CONDITIONS AND MATERIALS TO AVOID:
USUAL INCOMPATIBLE WITH ORGANIC ACIDS.

HAZARDOUS DECOMPOSITION PRODUCTS:
NONE KNOWN.

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Section 05 Spill, Leak And Disposal Procedures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
COVER SPILL AREA WITH ABSORBENT AND PLACE IN PROPER CONTAINER FOR DISPOSAL.
FLUSH SPILL AREA WITH WATER TO REMOVE FINAL TRACES.

NEUTRALIZING CHEMICALS:
CAN BE NEUTRALIZED WITH SODIUM CARBONATE.

WASTE DISPOSAL METHOD:
ALL DISPOSAL MUST COMPLY WITH APPLICABLE FEDERAL, STATE AND LOCAL
REGULATIONS.

Section 06 Health Hazard Data

ROUTES OF EXPOSURE:
= = = = =
INHALATION:
MAY CAUSE MILD SYMPTOMS OF RESPIRATORY IRRITATION.

EYE CONTACT:
MILD IRRITATION TO THE EYE.

SKIN CONTACT:
MILD IRRITATION TO THE SKIN.

INGESTION:
GENERALLY RECOGNIZED AS SAFE FOR USE IN FOODS.

Section 07 First Aid Procedures And Physician Notes

EMERGENCY AND FIRST AID PROCEDURES:
= = = = =
EYES:
WASH EYES WITH PLENTY OF WATER. GET MEDICAL ATTENTION.

SKIN:
WASH AFFECTED AREA WITH WATER. LAUNDRER CLOTHING BEFORE REUSE.

INHALATION:
REMOVE TO FRESH AIR.

INGESTION:
NOT APPLICABLE.

Section 08 Special Handling Information

RESPIRATORY PROTECTION:
APPROVED NUISANCE DUST MASK.

VENTILATION REQUIREMENTS:
SUFFICIENT TO CONTROL DUST OR MIST.

SPECIFIC PERSONAL PROTECTION EQUIPMENT:
= = = = =

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COCCLES:
SAFETY CLASSES.

GLOVES:
STANDARD RUBBER GLOVES.

OTHER CLOTHING AND EQUIPMENT:
SAFETY SHOES.

Section 09 Special Precautions And Additional Information

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
PLACE IN COOL, DRY AND WELL-VENTILATED AREA.

AVOID:
CITRIC ACID SOLUTION IF IN CONTACT WITH REACTIVE METALS (IRON, ZINC OR ALUMINUM) FORM HYDROGEN WHICH MAY FORM EXPLOSIVE MIXTURES.

Section 10 Hazardous Ingredients

DEPARTMENT OF TRANSPORTATION (D.O.T.) CLASSIFICATIONS:
NOT REGULATED.

"THIS PRODUCT MAY CONTAIN DETECTABLE AMOUNT OF SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR REPRODUCTIVE RISK."

HAZARD RATING:
HEALTH - 1
FLAMMABILITY - 0
REACTIVITY - 0

Section 11 SARA Title III Information

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA 313 AND 40 CFR 372:

LISTED INGREDIENTS	CAS NUMBER	MAXIMUM WEIGHT %
NONE		

IF UNSURE WHETHER REPORTING IS REQUIRED OR NOT, CALL THE EPA EMERGENCY AND COMMUNITY RIGHT-TO-KNOW HOTLINE (800) 535-0202.

Section 99 Footnotes

LEGENDS:
0 = LEAST 1 = SLIGHT 2 = MODERATE 3 = HIGH 4 = EXTREME
N.D. = NOT DETERMINED N.A. = NOT AVAILABLE N/A = NOT APPLICABLE
(S) = SKIN (CV) = CEILING VALUE N.E. = NOT ESTABLISHED
-M = MANUFACTURER'S RECOMMENDATION

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TSCA INVENTORY STATUS: CHEMICAL COMPONENTS ARE LISTED ON
TSCA CHEMICAL SUBSTANCES INVENTORY.

MATERIALS OR COMPONENTS LISTED IN SECTION 01 ARE CONFIDENTIAL IN
NATURE AND ARE CONSIDERED TRADE SECRET.

BRENNTAG MAKES NO WARRANTY, EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF
THESE DATA OR THE RESULT TO BE OBTAINED FROM THE USE THEREOF. WE ASSUME NO
RESPONSIBILITY FOR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.

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