

MATERIAL SAFETY DATA SHEET

General Information

Company's Name: The Chemistry Store.com Inc.
Company's Address: 1133 Walter Price St Cayce, SC 29033
Company's Emerg Ph #: 1-800-535-5053 (Infotrak)
Company's Info Ph #: 1-800-224-1430
Date MSDS Prepared: 2/1/07

PRODUCT NAME: CITRIC ACID

Ingredients/Identity Information

Ingredient: CITRIC ACID Ingredient Sequence Number: 01 Percent: 100 NIOSH (RTECS) Number: GE7350000 CAS Number: 77-92-9 OSHA PEL: NOT ESTABLISHED ACGIH TLV: NOT ESTABLISHED

Physical/Chemical Characteristics

Appearance And Odor: CRYSTALS, FREE FLOWING CRYSTALLINE, WHITE. ODORLESS WITH A STRONG ACID TASTE. Solubility In Water: 59.2 G/100G

Fire and Explosion Hazard Data

Flash Point: NOT ESTABLISHED Extinguishing Media: WATER; DRY CHEMICAL; CARBON DIOXIDE. Special Fire Fighting Proc: FIREFIGHTERS SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS TO PROTECT AGAINST POTENTIALLY TOXIC & IRRITATING FUMES. Unusual Fire And Expl Hazrds: AVOID BREATHING DUSR. DUST CAN FORM EXPLOSIVE MIXTURES WITH AIR.

Reactivity Data

Stability: YES Cond To Avoid (Stability): THIS IS A STABLE MATERIAL. Materials To Avoid: REACTION WITH CAUSTIC CAN CREATE HEAT. SOLUTIONS ARE MILDLY CORROSIVE TO STEEL.

Health Hazard Data

LD50-LC50 Mixture: ORAL LD50(RAT): 6730 MG/KG CITRIC ACID Route Of Entry - Inhalation: YES Route Of Entry - Skin: YES Route Of Entry - Ingestion: YES Health Haz Acute And Chronic: SKIN: CORROSIVE, IRRITATION/DERMATITIS. EYES: CORROSIVE, IRRITATION & CORNEAL DAMAGE. INHALATION: RESPIRATORY TRACT IRRITATION/LUNG DAMAGE. INGESTION: GI IRRITATION. Carcinogenicity - NTP: NO Carcinogenicity - IARC: NO Carcinogenicity - OSHA: NO Explanation Carcinogenicity: NONE Signs/Symptoms Of Overexp: IRRITATION, BLINDNESS, INFLAMMATION, BLISTERING, BURNING, SNEEZING, COUGHING, CHOKING, UNCONSCIOUSNESS. Emergency/First Aid Proc: EYES: REMOVE CONTACT LENSES. FLUSH W/RUNNING WATER. COLD WATER MAY BE USED. DON'T USE AN OINTMENT. SKIN: GENTLY & THOROUGHLY WASH W/RUNNING WATER & NON ABRASIVE SOAP. WASH W/A DISINFECTANT SOAP & COVER W/AN ANTI-BACTERIAL CREAM. INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN/PERFORM MOUTH TO MOUTH RESUSCITATION. INGESTION: DON'T INDUCE VOMITING. PERFORM MOUTH TO MOUTH RESUSCITATION.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: SMALL: USE APPROPRIATE TOOLS FOR WASTE DISPOSAL CONTAINER. NEUTRALIZE RESIDUE W/A DILUTE SOLUTION OF SODIUM CARBONATE. LARGE: STOP LEAK W/O RISK. DON'T GET WATER INSIDE CONTAINER/ TOUCH MATERIAL. USE WATER SPRAY TO REDUCE VAPORS. (SEE SUPP) Waste Disposal Method: RECYCLE, IF POSSIBLE IAW/FEDERAL, STATE & LOCAL REGULATIONS. CORROSIVE SOLIDS, UN1759. Precautions-Handling/Storing: KEEP CONTAINER DRY/IN A COOL PLACE. KEEP AWAY FROM HEAT & SOURCES OF IGNITION. STORE CORROSIVE MATERIALS IN A SEPARATE SAFETY STORAGE CABINET/ROOM. Other Precautions: EMPTY CONTAINERS POSE A FIRE RISK, EVAPORATE THE RESIDUE UNDER A FUME HOOD. DON'T BREATHE DUST. GROUND EQUIPMENT CONTAINING MATERIAL. NEVER ADD WATER TO THIS PRODUCT.

Control Measures

Respiratory Protection: USE DUST RESPIRATOR. BE SURE TO USE A MSHA APPROVED RESPIRATOR/EQUIVALENT. Ventilation: LOCAL EXHAUST. Protective Gloves: RECOMMENDED Eye Protection: SPLASH GOGGLES Other Protective Equipment: SYNTHETIC APRON, SUITABLE PROTECTIVE CLOTHING. Suppl. Safety & Health Data: LOOSEN TIGHT CLOTHING SUCH AS COLLAR, TIE, PREVENT ENTRY INTO SEWERS, BASEMENTS/CONFINED AREAS; DIKE IF NEEDED. ELIMINATE SOURCES OF IGNITION.