

# 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 (Infotrac)  
Company's Info Ph #: 1-800-224-1430  
Date MSDS Prepared: 2/1/07

### PRODUCT NAME: OXALIC ACID

## Ingredients/Identity Information

OXALIC ACID Percent: >99.0 NIOSH (RTECS) Number: RO2450000 CAS Number: 144-62-7 OSHA PEL: 1 MG/M3/2 STEL  
ACGIH TLV: 1 MG/M3

## Physical/Chemical Characteristics

Appearance And Odor: TRANSPARENT COLORLESS CRYSTALS (SMALL, PER 0-0-6908), ODORLESS. SUBLIMES AT 302F.  
Boiling Point: 232F/111C Melting Point: 213F, 101C Vapor Pressure (MM Hg/70 F): NIL Specific Gravity: 1.65 Decomposition Temperature: UNKNOWN Solubility In Water: MODERATE (9.5%)

## Fire and Explosion Hazard Data

Flash Point: NONE Extinguishing Media: USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL. Special Fire Fighting Proc: FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE. Unusual Fire And Expl Hazrds: REMOVE ALL IGNITION SOURCES; VAPORS DECOMPOSE TO HAZARDOUS PRODUCTS AT HIGH TEMPERATURES. WATER OR FOAM MAY CAUSE FROTHING ON MOLTEN OXALIC ACID.

## Reactivity Data

Stability: YES Cond To Avoid (Stability): HEAT ABOVE 212F, SPARKS, AND OPEN FLAMES, WATER. Materials To Avoid: SILVER COMPOUNDS, ALKALIES, STRONG OXIDIZERS, OLEUM. Hazardous Decomp Products: CARBON DIOXIDE, CARBON MONOXIDE, FORMIC ACID.

Hazardous Poly Occur: NO Conditions To Avoid (Poly): N/KN/R

## Health Hazard Data

LD50-LC50 Mixture: ORAL LD50 (RAT) IS 375MG/KG Route Of Entry - Inhalation: YES Route Of Entry - Skin: YES Route Of Entry - Ingestion: YES Health Haz Acute And Chronic: \*\*TOXIC—CORROSIVE\*\* EYES: MAY CAUSE IRRITATION. SKIN: MAY CAUSE IRRITATION AND BURNS. INGEST: JUST A FEW GRAMS MAY BE FATAL. MAY CAUSE GI TRACT IRRITATION AND BURNS. INHAL: MAY CAUSE RESPIRATORY IRRITATION. CHRONIC: EMACIATION, WEAKNESS, DERMATITIS, DELAYED KIDNEY AND LIVER DAMAGE. Carcinogenicity - NTP: NO Carcinogenicity - IARC: NO Carcinogenicity - OSHA: NO Explanation Carcinogenicity: THERE ARE NO INGREDIENTS ABOVE 0.1% WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP, IARC OR OSHA. Signs/Symptoms Of Overexp: ULCERATIONS OF THE MUCOUS MEMBRANES OF THE NOSE AND THROAT, HEADACHE, NERVOUSNESS. PAIN IN THE BACK FROM PROLONGED EXPOSURE. Med Cond Aggravated By Exp: PERSONS WITH PRE-EXISTING LIVER, KIDNEY, SKIN AND RESPIRATORY AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE. Emergency/First Aid Proc: SKIN: REMOVE CONTAMINATED CLOTHING; WASH WITH A SOLUTION OF EPSOM SALTS. GET DOCTOR. EYES: FLUSH WITH WATER FOR 15 MINUTES. INHAL: REMOVE TO FRESH AIR. GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED. INGEST: DO NOT INDUCE VOMITING. GET PROMPT QUALIFIED MEDICAL ATTENTION. IF CONSCIOUS, GIVE WATER, MILK OR SOLUBLE CALCIUM OR MAGNESIUM

## Precautions for Safe Handling and Use

Steps If Matl Released/Spill: VENTILATE AREA. USE PROPER PROTECTIVE AND RESPIRATORY EQUIPMENT. SWEEP OR VACUUM; DO NOT CREATE DUST; PLACE IN A DRY CONTAINER FOR DISPOSAL. CLEAN SPILL AREA WITH WATER. AVOID DISCHARGE INTO SEWER OR WATERWAYS. Neutralizing Agent: SODA ASH Waste Disposal Method: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. Precautions-Handling/Storing: STORE IN COOL, DRY, WELL VENTILATED AREA; KEEP AWAY FROM HEAT, OXIDIZERS AND INCOMPATIBLE MATERIALS. Other Precautions: AVOID SKIN AND EYE CONTACT. DO NOT INHALE VAPORS/ MISTS.

## Control Measures

Respiratory Protection: WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE EITHER A SELF-CONTAINED BREATHING APPARATUS OR A NIOSH/MSHA APPROVED RESPIRATOR FOR ACID DUST, DEPENDING ON THE AIRBORN CONCENTRATION. Ventilation: USE LOCAL EXHAUST (FUME HOOD). Protective Gloves: RUBBER Eye Protection: CHEMICAL SPLASH GOGGLES Other Protective Equipment: PROTECTIVE CLOTHING, AS NEEDED. PROVIDE A LOCAL EYE WASH STATION AND SAFETY SHOWER. Work Hygienic Practices: WASH HANDS. SEPERATE WORK CLOTHES FROM STREET CLOTHES. LAUNDRER WORK CLOTHES BEFORE REUSE. KEEP FOOD OUT OF THE WORK AREA.