MATERIAL SAFETY DATA SHEET

PRODUCT #: 0875-5
CAS #: 6153-56-6
MF: C2H2O4

SYNONYMS
ACIDE OXALIQUE (FRENCH) * ACIDO OSSALICO (ITALIAN) * ETHANEDIOLIC ACID * ETHANEDIONIC ACID * KYSELINA STAVELLOVA (CZECH) * NCI-C55209 * OXALZUUR (DUTCH) * OXALIC ACID (AGI, OSHA) * OXALSÄURE (GERMAN) *

TOXICITY HAZARDS

ACUTE EFFECTS
HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN.
MATERIAL IS EXTREMELY Destructive TO Tissue OF THE mucous membranes AND Upper respiratory tract, EYES AND SKIN.
INHALATION MAY BE FATAL AS A RESULT OF SPASM, InFLAMMATION AND edema OF THE Larynx AND Bronchi, CHEmICAL pneumonitis AND Pulmonary edema.
SYMPTOMS OF EXPOSURE MAY INCLUDE BURNING SENSATION, COUGHING,
WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA AND vomITING.

CONTINUED ON NEXT PAGE
PRODUCT #: 0875-5
CAS #: 6153-56-6
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NAME: OXALIC ACID DIHYDRATE, 97%

----------- HEALTH HAZARD DATA -----------

TARGET ORGAN(S):
KIDNEYS
NERVES

FIRST AID:
IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. ASSURE ADEQUATE FLUSHING OF THE EYES BY SEPARATING THE EYELIDS WITH FINGERS. IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN IMMEDIATELY. DISCARD CONTAMINATED CLOTHING AND SHOES.

----------- PHYSICAL DATA -----------

MELTING PT: 101 C TO 102 C
VAPOR DENSITY: 4.4
VAPOR PRESSURE: < .01 MM Hg 20 C
APPEARANCE AND ODOR: WHITE CRYSTALLINE POWDER

----------- FIRE AND EXPLOSION HAZARD DATA -----------

EXTINGUISHING MEDIA:
CARBON DIOXIDE, DRY CHEMICAL POWDER, ALCOHOL OR POLYMER FOAM.

SPECIAL FIREFIGHTING PROCEDURES:
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
THIS MATERIAL, LIKE MOST MATERIALS IN POWDER FORM, IS CAPABLE OF CREATING A DUST EXPLOSION.

----------- REACTIVITY DATA -----------

INCOMPATIBILITIES:
BASES
ACID CHLORIDES
ALKALI METALS
CORRODES STEEL

CONTINUED ON NEXT PAGE
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--------- REACTIVITY DATA ---------

PROTECT FROM MOISTURE.
AVOID CONTACT WITH METALS.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
TOXIC FUMES OF:
CARBON MONOXIDE, CARBON DIOXIDE

--------- SPILL OR LEAK PROCEDURES ---------

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED
WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY
RUBBER GLOVES.
SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.

AVOID RAISING DUST.

WASTE DISPOSAL METHOD
DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A
CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.
OBSERVE ALL FEDERAL, STATE, AND LOCAL LAWS.

--- PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE ---

CHEMICAL SAFETY GOGGLES,
SAFETY SHOWER AND EYE BATH,
COMPATIBLE CHEMICAL-RESISTANT GLOVES,
NIOSH/MSHA-APPROVED RESPIRATOR,
USE ONLY IN A CHEMICAL FUME HOOD.
DO NOT BREATHE DUST.
DO NOT GET IN EYES, ON SKIN, OR CLOTHING.
AVOID PROLONGED OR REPEATED EXPOSURE.
WASH THOROUGHLY AFTER HANDLING.
CORROSIVE.

TOXIC.
KEEP TIGHTLY CLOSED.
STORE IN A COOL, DRY PLACE.

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE
ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. ALDRICH SHALL NOT BE HELD
LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE
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