

ALDRICH CHEMICAL CO INC./SUB OF SIGMA-ALDRICH CORP -- OXALIC ACID,99 + %,24117-2 --
6810-01-448-9258

===== Product Identification =====

Product ID:OXALIC ACID,99 + %,24117-2

MSDS Date:06/11/1990

FSC:6810

NIIN:01-448-9258

MSDS Number: CFRMT

=== Responsible Party ===

Company Name:ALDRICH CHEMICAL CO INC./SUB OF SIGMA-ALDRICH CORP

Address:1001 W. ST. PAUL AVE

Box:355

City:MILWAUKEE

State:WI

ZIP:53

201

Country:US

Info Phone Num:414-273-3850/FAX -4979

Emergency Phone Num:414-273-3850

CAGE:60928

=== Contractor Identification ===

Company Name:ALDRICH CHEMICAL CO INC

Address:1001 WEST ST PAUL AVE

Box:355

City:MILWAUKEE

State:WI

ZIP:53233

Country:US

Phone:414-273-3850

CAGE:60928

Company Name:FLUKA CHEMICAL CORP

Address:1001 WEST ST PAUL

Box:City:MILWAUKEE

State:WI

ZIP:53233

Country:US

Phone:414-273-3850

CAGE:63181

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

Ingred Nam

e:OXALIC ACID
CAS:144-62-7
RTECS #:RO2450000
> Wt:99.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3/2 STEL; 9596

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Hazards Identification
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LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 7500 MG/KG.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS: NERVES, KIDNEYS.
ACUTE- TOXIC, HARMFUL IF SWALLOWED/INHALED/ABSORBED THROUGH
SKIN.
EXTREMELY DESTRUCTIVE TO TISSUE OF THE MUCOUS MEMBRANES AND UPPER
RESPIRATORY TRACT, EYES AND SKIN. I NHALATION MAY RESULT IN SPASM,
INFLAMMATION AND PULMONARY EDEMA. CHRONIC- UNKNOWN.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:MAY INCLUDE BURNING SENSATION, COUGHING,
WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA, AND
VOMITING.

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First Aid Measures
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First Aid:IN CASE OF CONTACT, IMMEDIATELY
FLUSH EYES OR SKIN WITH
COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MIN WHILE REMOVING
CONTAMINATED CLOTHING AND SHOES. ENSURE 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. IN CASE OF EXPOSURE, OBTAIN
MEDICAL ATTENTION IMMEDIAT ELY. DISCARD CONTAMINATED CLOTNING AND
SHOES.

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Fire Fighting Measures
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Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL POWER, ALCOHOL OR
POLYMER FOAM.
Fire Fighting Procedures:WEAR SELF CONTAINED BREATHING APPARATUS AND
PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.
Unusual Fire/Explosion Hazard:THIS MATERIAL, LIKE MOST MATERIALS IN
POWDER FORM, IS CAPABLE OF CREATING A DUST EXPLOSION.

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Accidental Release Measures
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Spill Release Procedures:WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES,
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Wear RUBBER BOOTS AND HEAVY GLOVES IF NEEDED. RECOVER IF POSSIBLE. SWEEP OR VACUUM INTO CLOSED CONTAINERS FOR DISPOSAL. AVOID DUST GENERATION.

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===== Handling and Storage =====

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. STORE IN A COOL, DRY PLACE.

Other Precautions:CORROSIVE. TOXIC. HYGROSCOPIC. USE ONLY IN CHEMICAL HOOD. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT GENERATE DUST. DO NOT BREATHE DUST. KEEP OUT OF REACH OF CHILDREN. WASH THOROUGHLY AFTER HANDLING. EMPTY CONTAINERS RETAIN RESIDUE.

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

Respiratory Protection:WEAR RESPIRATOR.
Protective Gloves:HEAVY RUBBER GLOVES.
Eye Protection:CHEMICAL SAFETY GOGGLES
Other Protective Equipment:RUBBER BOOTS
Supplemental Safety and Health
NONE

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===== Physical/Chemical Properties =====

HCC:N1
NRC/State Lic Num:NOT RELEVANT
Melt/Freeze Pt:=-190.C, 374.F
Vapor Pres: