

ALDRICH CHEMICAL CO INC./SUB OF SIGMA-ALDRICH CORP -- 12473-7 GLYCOLIC ACID, 99% --
6810-01-446-5246

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

Product ID:12473-7 GLYCOLIC ACID, 99%

MSDS Date:10/10/1995

FSC:6810

NIIN:01-446-5246

MSDS Number: CFLHY

=== 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:5320

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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

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

Ingred Name:GLYCOLIC ACID

CAS:79-14-1

RTECS #:MC5250000

Fraction by Wt: 99%

Other REC Limits:NONE RECOMMENDED

===== Hazards Identifi

cation =====

LD50 LC50 Mixture:ORAL RAT LD50:1950MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:HARMFUL IF INHAL/INGEST/ABSORBED

THROUGH SKIN.MATL EXTREMELY DESTRUCTIVE TO TISSUE OF MUC MEMBRANES & UPPER RESP TRACT,EYES,SKIN.INHAL MAY BE FATAL AS A RESULT OF SPASM,INFLAMM & EDEMA OF LARYNX & BR ONCHI,CHEM PNEUMONITIS & PULM EDEMA.

Effects of Overexposure:SYMPTO

MS OF EXO MAY INCLUDE BURNING

SENSATION,COUGHING,WHEEZING,LARYNGITIS,SHORTNESS OF BREATH,HEADACHE,NAUSEA & VOMITING.

Medical Cond Aggravated by Exposure:NONE SPEC BY MFG.TARGET

ORGANS:BEHAVIORAL,GASTROINTESTINAL,KIDNEY,URETER,BLADDER.

===== First Aid Measures =====

First Aid:CONTAMINATION OF EYES SHOULD BE TREATED BY IMMED & PROL IRRIGATION W/COPIOUS AMTS OF WATER.IN CASE OF CONTACT IMMED WASH SKIN W/SOAP/COPIOUS AMTS OF WATER.IF INHAL

REMOVE TO FRESH AIR.IF

NOT BREATHING GIVE ARTIFICIAL RESPIRATION.IF BREATHING IS

DIFFICULT GIVE OXYGEN.IF SWALLOWED WASH OUT MOUTH W/WATER PROVIDED PERSON IS CONSC.CALL PHYSICIAN.

===== Fire Fighting Measures =====

Flash Point:NP

Lower Limits:NP

Upper Limits:NP

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM,WATER SPRAY.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS & PROTECTIVE CLOTHING TO PR

EVENT CONTCT W/SKIN/EYES.

Unusual Fire/Explosion Hazard:THIS MATERIAL, LIKE MOST MATLS IN POWDER FORM,IS CAPABLE OF CREATING DUST EXPLOSION.

===== Accidental Release Measures =====

Spill Release Procedures:WEAR RESPIRATOR,CHEM SAF GOGGLES,RUBBER BOOTS & HEAVY RUBBER GLOVES.SWEEP UP PLACE IN BAG & HOLD FOR WASTE DISPOSAL.AVOD RAISING DUST.VENTILATE AREA & WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE .

Neutralizing Agent:NONE SPECIFIED BY MANUFACT

URER.

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Handling and Storage
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Handling and Storage Precautions:AVOID PROLONGED/REPEATED
EXPSOURE.CORROSIVE.HARMFUL SOLID.KEEP TIGHTLY CLOSED.STORE IN COOL
DRY PLACE.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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Exposure Controls/Personal Protection
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Respiratory Protection:WEAR APPROPRIATE NIOSH/MSHA APPROVED RESPIRATOR.

Ventilation:USE ONLY IN CHEMICAL FUME HOOD.

Protective Gloves:CHEM RESISTANT GLOVES

Eye

Protection:SAFETY GOGGLES

Other Protective Equipment:OTHER PROTECTIVE CLOTHING.SAF SHOWER & EYE
BATH.

Work Hygienic Practices:WASH CONTAM CLOTH BEFORE REUSE.DONT BREATHE
DUST.DONT GET IN EYE/SKIN/CLOTHING.WASH THOROUGHLY AFTER HNDLG.

Supplemental Safety and Health

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Physical/Chemical Properties
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HCC:C2

Boiling Pt:B.P. Text:NP

Melt/Freeze Pt:M.P/F.P Text:167F,75C

Decomp Temp:Decomp Text:NP

Vapor Pres:NP

Vapor Density:NP

Spec Gravity:NP

pH:NP

Evaporat

ion Rate & Reference:NP

Solubility in Water:NP

Appearance and Odor:MOIST WHITE CRYSTALLINE POWDER

Percent Volatiles by Volume:NP

Corrosion Rate:NP

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Stability and Reactivity Data
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BASES, OXIDIZING AGENTS, REDUCING AGENTS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:TOXIC FUMES OF CARBON MONOXIDE AND
CARBON DIOXIDE

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Disposal Considerations
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Waste Disposal Meth

ods:OBSERVE ALL LOCAL, STATE AND FEDERAL ENVIRO
REGULATIONS.DISSOLVE OR MIX MATL W/COMBUSTIBLE SOLVT & BURN IN CHEM
INCINERATOR EQUIPPED W/AFTERBURNER & SCRUBBER.

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