

GENERAL ALUM AND CHEMICAL CORP -- SULFURIC ACID,OIL OF VITRIOL -- 6810-00-146-7520

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

Product ID:SULFURIC ACID,OIL OF VITRIOL

MSDS Date:10/01/1986

FSC:6810

NIIN:00-146-7520

MSDS Number: BMDMJ

=== Responsible Party ===

Company Name:GENERAL ALUM AND CHEMICAL CORP

Address:2451 N REYNOLDS RD

Box:7344

City:TOLEDO

State:OH

ZIP:43615-2840

Country:US

Info Phone Num:419-535

-7339 OR 419-865-8000

Emergency Phone Num:419-535-7339

CAGE:7V070

=== Contractor Identification ===

Company Name:GENERAL ALUM AND CHEMICAL CORP

Address:2451 N REYNOLDS RD

Box:7344

City:TOLEDO

State:OH

ZIP:43615-2840

Country:US

Phone:419-535-7339

CAGE:7V070

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

Ingred Name:SULFURIC ACID

CAS:7664-93-9

RTECS #:WS5600000

Fraction by Wt: 93 - 98%

Other REC Limits:NOT SPECIFIED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 8990

EPA Rpt Qty:1000

LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 2 - 7%  
Other REC Limits:NONE SPECIFIED

=====  
Hazards Identification  
=====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE - INHALATION: MIST CAUSES  
RESPIRATORY TRACT IRRITATION, COUGHING, DESTRUCTION OF MUCOUS  
MEMBRANES, PULMONARY EDEMA. EYES AND SKIN: WILL PRODUCE  
SEVERE  
BURNS AND INJURY. ORAL: WILL DAMAGE TISSUES ON CONTACT. MAY CAUSE  
SEVERE INJURY OR DEATH. CHRONIC - UNKNOWN.  
Effects of Overexposure:MIST CAUSES RESPIRATORY TRACT IRRITATION,  
COUGHING, DESTRUCTION OF MUCOUS MEMBRANES, PULMONARY EDEMA. WILL  
PRODUCE SEVERE EYE AND SKIN BURNS AND INJURY. ORALLY WILL DAMAGE  
TISSUES ON CONTACT. MAY CAUSE SEVERE INJURY OR DEATH.  
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN  
DISORDERS OR EYE PROBLEMS OR IMPAIRED RES  
PIRATORY FUNCTION MAY BE  
MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

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

First Aid:GET MEDICAL ATTENTION IMMEDIATELY. EYES AND SKIN: IMMEDIATELY  
FLUSH WITH WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS OPEN.  
INHALATION: REMOVE TO FRESH AIR AND PROVIDE OXYGEN/CPR IF NEEDED.  
INGESTION: DO NOT INDUCE VOMITING. DRINK 1 TO 2 GLASSES OF WATER.  
CALL A PHYSICIAN IMMEDIATELY.

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

Flash Point:NONFLAMMABLE  
Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE. AVOID  
GETTING WATER IN ACID TANKS OR LINES.  
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-  
APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE  
OPERATED IN THE POSITIVE PRESSURE MODE.  
Unusual Fire/Explosion Hazard:TAKE CARE NOT TO IGNITE HYDROGEN GAS  
WHICH CAN ACCUMULATE IN METAL TANKS CONTAINING ACID.

=====  
Accident  
=====

al Release Measures =====

Spill Release Procedures:WEAR PROPER PROTECTIVE EQUIPMENT. VENTILATE AREA. DO NOT RELEASE INTO SOIL, SEWER, STREAM. STOP LEAK IF POSSIBLE. NEUTRALIZE WITH SODA ASH OR LIME. WITH CLEAN SHOVEL, PLACE MATERIAL INTO CLEAN CONTAINER FOR DISPOSAL. FLUSH SPILL AREA WITH WATER.

Neutralizing Agent:SODA-ASH, SODIUM BICARBONATE

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

Handling and Storage Precautions:STORE IN A COOL, DRY , WELL-VENTILATED

AREA, AWAY FROM INCOMPATIBLE MATERIALS.

Other Precautions:NEVER ADD WATER DIRECTLY TO CONCENTRATED SULFURIC ACID AS SPLATTERING WILL RESULT. AVOID CONTACT WITH SKIN, EYES, OR CLOTHING. AVOID BREATHING MIST.

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

Respiratory Protection:WEAR NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS OPERATED IN POSITIVE PRESSURE MODE OR SUPPLIED-AIR RESPIRATOR WITH FULL FACEPIECE AND OPERATED IN PRESSURE-DEMAND OR

OTHER POSITIVE PRESSURE MODE WHEN NEEDED.

Ventilation:MECHANICAL/LOCAL

Protective Gloves:RUBBER

Eye Protection:SAFETY GOGGLES, FACE SHIELD

Other Protective Equipment:RUBBER APRON, SAFETY SHOWER, EYEBATH.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

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

HCC:C2

Boiling Pt:=-276.1C, 529.F

Melt/Freeze Pt:=-28.9C, -20.F

Vapor Pres: