

CURTIN MATHESON SCIENTIFIC INC -- SULFURIC ACID 96% -- 6810-00-146-7520

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Product Identification
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Product ID:SULFURIC ACID 96%

MSDS Date:10/21/1986

FSC:6810

NIIN:00-146-7520

MSDS Number: BTSCT

=== Responsible Party ===

Company Name:CURTIN MATHESON SCIENTIFIC INC

Address:9999 VETERANS MEMORIAL DR

Box:1546

City:HOUSTON

State:TX

ZIP:77251-1546

Country:US

Info Phone Num:713-820-9898

Emergenc

y Phone Num:713-820-9898

CAGE:15481

=== Contractor Identification ===

Company Name:CURTIN MATHESON SCIENTIFIC INC

Address:9999 VETERANS MEMORIAL DR

Box:1546

City:HOUSTON

State:TX

ZIP:77038-2499

Country:US

Phone:713-820-9898

CAGE:15481

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Composition/Information on Ingredients
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Ingred Name:SULFURIC ACID (SARA III)

CAS:7664-93-9

RTECS #:WS5600000

Fraction by Wt: 96%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9394

EPA Rpt Qty:1000 LBS

DOT Rpt

Qty:1000 LBS

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===== Hazards Identification =====
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LD50 LC50 Mixture:LD50, RAT (ORAL) 2140 MG/KG

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

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

Health Hazards Acute and Chronic:INHALATION PRODUCES DAMAGING EFFECTS ON MUCOUS MEMBRANES & UPPER RESPIRATORY TRACT MAY CAUSE LUNG EDEMA. SWALLOWING MAY CAUSE SEVERE BURNS OF THE MOUTH,THROAT,STOMACH, LEADING TO DEATH.CAN CAUSE SORE THR

OAT,VOMITING,DIARRHEA. SKIN

CONTACT:CORROSIVE. SYMPTONS OF REDNESS,PAIN, & SEVERE BURNS CAN OCCUR.

Effects of Overexposure:LIQUID AND MIST CAUSE SEVERE BURNS TO ALL BODY TISSUE. MAY BE FATAL IF SWALLOWED. INHALATION MAY CAUSE LUNG DAMAGE.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS OR EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

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===== First Aid Measures =====
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First Aid:INHALATION: REMOVE TO FRESH AIR. IF DIFFICULTY BREATHING, GIVE OXYGEN. CALL PHYSICIAN. INGESTION: DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES WATER/MILK. CALL PHYSICIAN IMMEDIATELY. SKIN: FLUSH SK IN WITH PLENTY OF WATER FOR AT LEAST 15MINUTES. REMOVE CLOTHS/SHOES/CALL A PHYSICIAN. EYES: FLUSH WITH WATER 15 MINUTES, LIFTING LOWER/UPPER EYELIDS OCCASIONALLY. GET MEDICAL ATTENTION IMMEDIATELY.

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===== Fire Fighting Measures ==
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Flash Point:NONE

Extinguishing Media:DRY CHEMICAL,FOAM OR CARBON DIOXIDE. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE PRESSURE DEMAND MODE.

Unusual Fire/Explosion Hazard:SUBSTANCE IS A STRONG OXIDIZER AND ITS HEAT OF REACTION WITH REDUCING AGENTS OR COMBUSTIBLES MAY CAUSE IGNITION. REACTS WITH MO

ST METALS RELEASING HYDROGEN GAS.

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

Spill Release Procedures:DIKE/COVER LEAKING OR SPILLED LIQUID WITH DIRT, VERMICULITE, KITTY-LITTER OR OTHER INERT ABSORBENT. COVER SPILL WITH SODIUM BICARBONATE OR SODA ASH & MIX. CLEAN UP PERSONNEL REQUIRE PROTECTIVE CLOTHING & RESPIRATORY PROTECTION FROM VAPORS/MISTS.

Neutralizing Agent:SODA ASH OR SODIUM BICARBONATE

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

Handling and Storage Precautions:STORE IN COOL/DRY/VENTILATED STORAGE AREA WITH ACID RESISTANT FLOORS & GOOD DRAINAGE. PROTECT FROM PHYSICAL DAMAGE. KEEP OUT OF DIRECT SUNLIGHT

Other Precautions:KEEP AWAY FROM HEAT,WATER,AND INCOMPATIBLE MATERIALS. DO NOT WASH OUT CONTAINER AND USE IT FOR OTHER PURPOSES. WHEN DILUTING, ALWAYS ADD THE ACID TO WATER, NEVER ADD WATER TO THE ACID.

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

Respiratory Protection:IF THE TLV IS EXCEEDED A FULL FACEPIECE CHEMICAL CARTRIDGE RESP. MAY BE WORN, IN GENERAL, UP TO 100 TIMES THE TLV OR THE MAXIMUM USE CONCENTRATION SPECIFIED BY THE RESP. SUPPLIER, WHICHEVER IS LESS, OR AIRLINED HOOD MAY BE WORN.

Ventilation:A SYSTEM OF LOCAL AND/OR GENERAL EXCHANGE IS RECOMMENDED TO KEEP EMPLOYEE EXPOSURE BELOW AIRBORNE EXPOSURE LIMITS.

Protective Gloves:IMPERVIOUS

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHING, BOOTS, LAB COAT, APRON OR COVERALLS FULL FACE SHIELD.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING

Supplemental Safety and Health

THIS SUBSTANCE IS CLASSIFIED AS A POISON UNDER THE FEDERAL CAUSTIC POISON ACT.

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

HCC:C1

Boiling Pt:B.P. Text:590F,310C

Melt/Freeze Pt:M.P/F.P Text:6F,-14C

Vapor Pres:1@146 C

Vapor Density: