

ARCADIAN CORP -- SULFURIC ACID -- 6810-01-031-4652

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Product Identification  
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Product ID:SULFURIC ACID

MSDS Date:04/16/1996

FSC:6810

NIIN:01-031-4652

MSDS Number: CDMMZ

=== Responsible Party ===

Company Name:ARCADIAN CORP

Address:6750 POPLAR, SUITE 600

City:MEMPHIS

State:TN

ZIP:38138-7419

Country:US

Info Phone Num:800-524-0132

Emergency Phone Num:800-424-9300(CHEMTREC)/800-524-0132

CAGE:01

KQ2

=== Contractor Identification ===

Company Name:ARCADIAN CORP

Address:6750 POPLAR AVE

Box:City:MEMPHIS

State:TN

ZIP:38138

Country:US

Phone:800-654-4514

CAGE:01KQ2

Company Name:MAGNOLIA CHEMICALS & SOLVENTS,INC.

Address:1020 SAMS AVE

Box:10278

City:NEW ORLEANS

State:LA

ZIP:70181-0278

Phone:504-733-6600

CAGE:MAGNO

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Composition/Information on Ingredients  
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Ingred Name:SULFURIC ACID (SARA 302/313) (CERCLA)

CAS:7664-93-9

RTECS #:WS5600000

Fraction by Wt: 93-99.5%

Other

REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3/3 STEL; 9495  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYE:IRRITATION, CORNEAL BURNS,  
CONJUNCTIVIS, BLINDNESS. SKIN:CAN CAUSE SEVERE BURNS OR IRRITATION.

INHALATION:CAN CAUSE IRRITATION OR CORROSIVE BURNS TO RESPIRATORY TRACT. INGESTION:CAN CAUSE IRRITATION, CORROSIVE BURNS TO MOUTH & G/I TRACT. MAY BE FATAL IF SWALLOWED. CHRONIC-TOOTH EROSION, LESIONS, CONJUNCTIVITIS.

Explanation of Carcinogenicity:MANUFACTURER GAVE NO INFORMATION ABOUT CARCINOGENICITY. HMIS FOUND NO LISTING & DOES NOT EXPECT IT TO BE CARCINOGENIC.

Effects of Overexposure:EYE:IRRITATION, CORNEAL BURNS, CONJUNCTIVIS, BLINDNESS. SKIN:SEVERE BURNS OR IRRITATION. INHALATION:IRRITATION OR CORROSIVE BURNS TO RESPIRATORY TRACT. INGESTION:IRRITATION, CORROSIVE BURNS TO MOUTH & G/I TRACT. MAY BE FATAL IF SWALLOWED.

Medical Cond Aggravated by Exposure:MFR GAVE NO INFORMATION OF MSDS.

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

First Aid:IF IRRITATION PERSISTS OR IS SEVERE, GET MEDICAL ATTENTION.  
EYE:FLUSH W/WATER FOR 15 MIN. SKIN:WASH W/SOAP & WATER. REMOVE CONTAMINATED CLOTHING & LAUNDRER BEFORE REUSE. INHALED:RE MOVE FROM EXPOSURE. A ID OR RESTORE BREATHING AS NEEDED. INGESTED:DO NOT INDUCE VOMITING. GIVE LARGE AMOUNTS OF MILK OR WATER TO DRINK. GET IMMEDIATE MEDICAL ATTENTION. NOTHING BY MOUTH IF UNCONSCIOUS.

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

Flash Point:N/A.  
Autoignition Temp:Autoignition Temp Text:N/A.  
Lower Limits:N/A.  
Upper Limits:N/A.  
Extinguishing Media:USE WATER SPRAY OR OTHER SUITABLE AGENT FOR FIRES ADJACENT TO NON-LEAK,ING TANKS & OTHER CON

TAINERS OF SULFURIC ACID.

Fire Fighting Procedures:AT HIGH TEMPERATURES SULFURIC ACID MIST OR SO3 GAS CAN BE RELEASED FROM VENTED OR RUPTURED CONTAINERS. IF WATER IS ADDED TO CONC.ACID, SPATTERING MAY OCCUR.

Unusual Fire/Explosion Hazard:FLAMMABLE & POTENTIALLY EXPLOSIVE HYDROGEN GAS CAN BE GENERATED INSIDE METAL DRUMS & STORAGE TANKS.CONCENTRATED ACID CAN IGNITE COMBUSTIBLE MATERIALS ON CONTACT

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

Spill Release

Procedures:DILUTE SMALL SPILL CAUTIOUSLY W/PLENTY OF WATER. NEUTRALIZE RESIDUE. ADEQUATE VENTILATION IS REQUIRED. NO SMOKING IN SPILL AREA. MAJOR SPILL:KEEP UNPROTECTED PEOPLE AWAY.

Neutralizing Agent:SODA ASH, LIME

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

Handling and Storage Precautions:STORE IN COOL, WELL VENTILATED AREA AWAY FROM COMBUSTIBLES & REACTIVE CHEMICALS. VENT METAL CONTAINER WEEKLY. DIKING OF STORAGE TANKS RECOMMENDED.

Other Precautions:

VAPOR MAY CONTAIN EXPLOSIVE HYDROGEN. DO NOT PERMIT SMOKING OR OTHER IGNITION SOURCES IN THE STROAGE AREA. CAUSES SEVERE BURNS. LABEL SIGNAL WORK:DANGER!

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

Respiratory Protection:WHERE REQUIRED US A RESPIRATOR APPROVED BY NIOSH FOR SULFURIC ACID MIST AS APPLICABLE. SOME EXPOSURES MAY REQUIRE SELF-CONTAINED BREATHING APPARATUS W/FULL FACEPIECE OR SUPPLIED AIR RESPIRATOR W/FULL FACEPIECE, HELMET OR HOOD.

Venti

lation:MFR GAVE NO INFORMATION OF MSDS..

Protective Gloves:ACID RESISTANT GAUNTLET .

Eye Protection:HARD HAT, CHEMICAL GOGGLES & FACE SHIELD

Other Protective Equipment:EYE WASH & QUICK DRENCH SHOWER PROTECTED FROM FREEZING WHERE ACID IS STORED OR HANDLED. ACID RESISTANT CLOTHING & BOOTS

Work Hygienic Practices:MFR GAVE NO INFORMATION OF MSDS..

Supplemental Safety and Health

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

HCC:C1

NRC/State Lic Num:NONE

Boiling Pt:B.P

. Text:534F,279C  
Melt/Freeze Pt:M.P/F.P Text:N/A.  
Vapor Pres:NEGLIGIBLE  
Vapor Density:N/A.  
Spec Gravity:1.835  
Evaporation Rate & Reference:N/A.  
Solubility in Water:100%  
Appearance and Odor:OILY, COLORLESS TO SLIGHTLY YELLOW TO TURBID  
LIQUID, ODORLESS  
Percent Volatiles by Volume:N/A.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
NITRO COMPOUNDS, CARBIDES DIENES, ALCOHOLS (WHEN HEATED) CAUSE  
EXPLOSIONS. OXIDIZING AGENTS  
CAUSE FIRES & POSSIBLE EXPLO  
Stability Condition to Avoid:TEMPERATURES >300C YIELD SO3 GAS WHICH IS  
TOXIC, CORROSIVE & AN OXIDIZER.  
Hazardous Decomposition Products:SO3 GAS. ALSO FIRE RISK W/ORGANIC  
MATERIALS.  
Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Disposal Considerations =====

Waste Disposal Methods:CAUTIOUSLY DILUTE & NEUTRALIZE WASTE ACID.  
DISPOSE OF I/AW FEDERAL, STATE & LOCAL REGULATIONS. WASTE MAY HAVE  
TO BE DISPOSED OF  
BY AN APPROVED COANTRACTOR.

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