View NSN Online: https://aerobasegroup.es/nsn/6810-00-551-5231

LOS ANGELES CHEMICAL CO -- SULFURIC ACID, CONCENTRATED

MSDS Safety Information

FSC: 6810

NIIN: 00-551-5231 MSDS Date: 06/18/1993 MSDS Num: CFTFN

Product ID: SULFURIC ACID, CONCENTRATED

MFN: 01

Responsible Party Cage: 75656

Name: LOS ANGELES CHEMICAL CO Address: 4545 ARDINE STREET

Box: 1987 City: S

OUTH GATE CA 90280-2534

Info Phone Number: 213-583-4761 / FAX 213-773-0909

Emergency Phone Number: 800-356-3129 Resp. Party Other MSDS No.: LACCO/9

Item Description Information

Item Manager: S9G

Item Name: SULFURIC ACID, ELECTROLYTE

Specification Number: O-S-801

Type/Grade/Class: 1 CL

Unit of Issue: DR

Quantitative Expression: 10000000065GL

UI Container Qty: 1

Type of Container: DRUM

Ingredients

RTECS #: WS5600000

Name: HYDROGEN SULFATE (H2SO4)/SULFURIC ACID (SARA 302/313) (CERCLA)

% low Wt: 93. % high Wt: 98.

Other REC Limits: NONE RECOMMENDED

OSHA PEL: 1 MG/M3 ACGIH TLV: 1 MG/M3 EPA Rpt Qty: 1000 LBS DOT Rpt Qty: 1000 LBS

Cas: 7732-18-5

RTECS #: ZC0110000

Name: WATER % Wt: BALANCE

Other REC Limits: NONE RECOMMENDED

OS

HA PEL: NOT RELEVANT ACGIH TLV: NOT RELEVANT

Health Hazards Data

LD50 LC50 Mixture: LD50 (ORAL, RAT) 2,140 MG/KG

Carcinogenicity Inds - NTP: NO

IARC: NO OSHA: NO

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Effects of Exposure: CONCENTRATED SULFURIC ACID IS A STRONG MINERAL ACID, AN OXIDIZING AGENT, AND A DEHYDRATING AGENT THAT IS RAPIDLY DAMAGING TO ALL HUMAN TISSUE WITH WHICH IT COMES IN CONTACT. INGESTION MAY CAUSE SEVER

INJURY OR DEATH. EYE CONTACT PRODUCES SEVERE OR PERMANENT INJURY. INHALATION OF MISTS CAN DAMAGE BOTH THE UPPER RESPIRATORY TRACT AND THE LUNGS. Explanation Of Carcinogenicity: THIS PRODUCT IS NOT CONSIDERED A CARCINOGEN BY NTP, IARC, OR OSHA.

Signs And Symptions Of Overexposure: CONCENTRATED SULFURIC ACID IS A STRONG MINERAL ACID, AN OXIDIZING AGENT, AND A DEHYDRATING AGENT THAT IS RAPIDLY DAMAGING TO ALL HUMAN TISSUE WITH WHICH IT COMES IN CONTACT. INGESTION MAY CAUSE SEVERE INJ

URY OR DEATH. EYE CONTACT PRODUCES SEVERE OR PERMANENT INJURY. INHALATION OF MISTS CAN DAMAGE BOTH THE UPPER RESPIRATORY TRACT AND THE LUNGS.

Medical Cond Aggravated By Exposure: NOT PROVIDED.

First Aid: EYE CONTACT: IMMEDIATELY FLUSH EYES WITH PLENTY OF RUNNING WATER FOR AT LEAST 15 MINUTES. SPEED IS EXTREMELY IMPORTANT. OBTAIN MEDICAL ATTENTION AS SOON AS POSSIBLE. SKIN CONTACT: IMMEDIATELY FLUSH AF FECTED AREAS WITH WATER, REMOVING CONTAMINATED CLOTHING WHILE UNDER THE SAFETY SHOWER. CONTINUE

WASHING AND GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. CALL A PHYSICIAN IMMEDIATELY. INGESTION: DILUTE ACID IMMEDIATELY WITH LARGE AMOUNT OF MILK OR WATER, THEN GIVE MILK OF MAGNESIA. DO NOT INDUCE VOMITING. IF OCCURS SPONTANEOUSLY, GIVE MORE FLUID. OBTAIN MEDICAL ATTENTI ON AS SOON AS POSSIBLE.

Handling and Disposal

Spill Release P

rocedures: NOTIFY SAFETY PERSONNEL, PROVIDE VENTILATION. STOP LEAK IF YOU CAN DO WITHOUT RISK. CLEANUP PERSONNEL NEED PROTECTION AGAINST INHALTION OR CONTACT. KEEP UPWIND. CONTAIN SPILL. MINOR SPILLS CAN BE DILU TED WITH WATER AND NEUTRALIZED WITH SODA ASH OR LIME. IF WATER IS NOT AVAILABLE, COVER CONTAMINATED AREA WITH SAND, ASHES OR GRAVEL AND NEUTRALIZE CAUTIOUSLY WITH SODA ASH OR LIME.

Neutralizing Agent: SUITABLE ALKALI SUCH AS LIME OR SODA ASH

Waste Disposal Methods: FOLLOW FEDE

RAL, STATE, AND LOCAL REGULATIONS. RUNOFF TO

SEWER MAY CREATE HYDROGEN GAS, WHICH IS A FIRE OR EXPLOSION HAZARD. EPA (CWA) RQ 1000 LBS (40 CFR 117).

Handling And Storage Precautions: STORE IN CLEAN, VENTILATED STORAGE AREAS HAVING ACID-RESISTANT FLOORS AND GOOD DRAINAGE. KEEP OUT OF DIRECT SUNLIGHT. USE NONSPARKING TOOLS FREE OF OIL, DIRT, GRIT AND VAPOR-PROOF ELECTRICAL FIXTURES. AVOID BREATHING MIST OR VAPORS. AVOID CONTACT WITH SKIN OR EYES. DO NOT INGEST.

Other Precautions: AV

OID BREATHING MIST OR VAPORS. AVOID CONTACT WITH SKIN OR

EYES. DO NOT INGEST. DO NOT ADD WATER TO CONCENTRATED ACID. DRUMS MAY CONTAIN HYDROGEN GAS, SO OPEN CAUTIOUSLY.

Fire and Explosion Hazard Information

Flash Point Text: NONE

Extinguishing Media: STRONG OXIDIZING AGENT AND MAY CAUSE IGNITION BY CONTACT WITH COMBUSTIBLE MATERIALS. COOL FIRE EXPOSED CONTAINERS WITH WATER TOAVO ID

RUPTURE. USE DRY CHEMICAL FOR SMALL FIRE.

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: VIOLENT REACTION WITH WATER. EVOLUTION OF EXPLOSIVE HYDROGEN GAS ON CONTACT WITH MOST METALS. WILL REACT WITH ORGANIC MATERIAL YIELDING HEAT & DENSE WHITE FUMES

Control Measures

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Respiratory Protection: USE NIOSH APPROVED, FULL-FACED RESPIRATOR WITH CANISTER APPROVED FOR SULFURIC ACID VAPOR & MIST IF TLV EXCEEDED. IF CONCENTRATIONS ARE HIGH/UNKNOWN, USE SELF-CONTAINED BREATHING APPARATUS.

Ventilation: USE GENERAL VENTILATION TO MEET TLV REQUIREMENTS.

Protective Gloves: RUBBER

Eye Protection: SPLASH-PROOF CHEMICAL SAFETY GOGGLES OR FACE SHIELD Other Protective Equipment: ACID RESISTANT PROTECTIVE CLOTHING, RUBBER APRONS.

FOOTWEAR, AND SUIT RECOMMENDED, SAFETY SHOWER, EYEWASH.

Work Hygienic Practices: OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health: CONTACT LENSES POSE A SPECIAL HAZARD.

Physical/Chemical Properties

HCC: C1

NRC/State LIC No: NOT RELEVANT

B.P. Text: 281-338 C

Melt/Freeze Pt: =-36.5C, -34.F Vapor Pres: <1 @ 100F

Vapor De

nsity: UNKNOWN Spec Gravity: 1.8354

Evaporation Rate & Description Rate & Reference: UNKNOWN Solubility in Water: COMPLETELY MISCIBLE

Appearance and Odor: CLEAR, COLORLESS, HYGROSCOPIC, OILY LIQUID - ODORLESS

Percent Volatiles by Volume: 100 Corrosion Rate: UNKNOWN

Reactivity Data

Stability Indicator: YES

Stability Condition To Avoid: ADDING WATER TO ACID (ALWAYS ADD ACID SLOWLY TO

WATER) Material

s To Avoid: BASES, METALS

Hazardous Decomposition Products: TOXIC OXIDES OF SULFUR

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: NOT PROVIDED.

Toxicological Information

Toxicological Information: NOT PROVIDED.

Ecological Information

Ecological:

NOT PROVIDED.

MSDS Transport Information

Transport Information: LABEL: CORROSIVE. UN 1830

Regulatory Information

Other Information

Transportation Information

Responsible Party Cage: 75656

Trans ID NO: 76489

Product ID: SULFURIC ACID, CONCENTRATED

MSDS Prepared Date: 06/18/1993

Review Date: 12/23/1999

MFN: 1

Net Unit Weight: 99.4 LBS Multiple KIT Number: 0

Review IND: Y Unit Of Issue: DR Container QTY: 1

Type Of Container: DRUM

Additional Data: THE MAXIMUM ALLOWED BY PASSENGER/CARGO AIR: 1 L / 30 L. CARGO

AIRCRAFT ONLY. UN ID NUMBER, HAZARD

CL ASS PER MSDS.

Detail DOT Information

DOT PSN Code: NUC

DOT Proper Shipping Name: SULFURIC ACID

DOT PSN Modifier: WITH MORE THAN 51 PERCENT ACID

Hazard Class: 8 UN ID Num: UN1830 DOT Packaging Group: II Label: CORROSIVE

Special Provision: A3,A7,B3,B83,B84,N34,T9,T27

Packaging Exception: 154

Non Bulk Pack: 202 Bulk Pack: 242 Max Qty Pass: 1 L Max Qty Cargo: 30 L Vessel Stow Req: C

Wa

ter/Ship/Other Req: 14

Detail IMO Information

IMO PSN Code: OFJ

IMO Proper Shipping Name: SULPHURIC ACID IMO PSN Modifier: ,WITH MORE THAN 51% ACID

IMDG Page Number: 8230

UN Number: 1830 UN Hazard Class: 8 IMO Packaging Group: II Subsidiary Risk Label: -EMS Number: 8-06

MED First Aid Guide NUM: 700

Detail IATA Information

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IATA PSN Code: XIX IATA UN ID Num: 1830

IATA Proper Shipping Name: SULPHURIC ACID IATA PSN Modifier: WITH MORE THAN 51% ACID

IATA UN Class: 8

IATA Label: CORROSIVE UN Packing Group: II

Packing Note Passenger: 809

Max Quant Pass: 1L Max Quant Cargo: 30L Packaging Note Cargo: 813

Detail AFI Information

AFI PSN Code: XIX AFI Proper Shipp

ing Name: SULPHURIC ACID

AFI PSN Modifier: WITH MORE THAN 51% ACID

AFI Hazard Class: 8 AFI UN ID NUM: UN1830 AFI Packing Group: II

Special Provisions: P4, A3, A7, N34

Back Pack Reference: A12.3

HAZCOM Label

Product ID: SULFURIC ACID, CONCENTRATED

Cage: 75656

Company Name: LOS ANGELES CHEMICAL CO

Street: 4545 ARDINE ST

PO Box: 1987

City: SOUTH GATE CA

Zipcode: 90280

Health Emergency Ph one: 800-356-3129 Label Required IND: Y

Date Of Label Review: 12/23/1999

Status Code: C

MFG Label NO: UNKNOWN. Label Date: 06/18/1993 Year Procured: 2000

Origination

Eye Protection IND: YES Skin Protection IND: YES Signal Word: DANGER

Respiratory Protection IND: NO

Health Hazard: Severe Contact Hazard: Severe Fire Hazard: None

Reactivity Hazard: Severe

Hazard And Precautions: TARGET ORGANS: EYES, SKIN, RESPIRATORY SYSTEM, TEETH

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LEAST 15 MINUTES. SPEED IS EXTREMELY IMPORTANT. OBTAIN MEDICAL ATTE NTION AS SOON AS POSSIBLE. SKIN CONTACT: IMMEDIATELY FLUSH AFFECTED AREAS WITH WATER, REMOVING CONTAMINATED CLOTHING WHILE UNDER THE SAFETY SHOWER. CONTINUE WASHING AND GET MEDICAL ATTENTION. INHALATIO N: REMOVE TO FRESH AIR. RESTORE BREATHING. CALL A PHYSICIAN IMMEDIATELY. INGESTION: DILUTE ACID IMMEDIATELY WITH LARGE AMOUNT OF MILK OR WATER, THEN GIVE MILK OF MAGNESIA. DO NOT INDUCE VOMITING. OBTA IN ME

DICAL ATTENTION AS SOON AS POSSIBLE

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