

LOS ANGELES CHEMICAL CO -- SULFAMIC ACID

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MSDS Safety Information
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FSC: 6810
NIIN: 01-236-9402
MSDS Date: 01/01/1997
MSDS Num: CJFVC
Product ID: SULFAMIC ACID
MFN: 01
Responsible Party
Cage: 75656
Name: LOS ANGELES CHEMICAL CO
Address: 4545 ARDINE STREET
City: SOUTH GATE CA 90280-2534

Info Phone Number: 323-562-9500
Emergency Phone Number: 213-562-9500
Resp. Party Other MSDS No.: LACC0 / 72

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Item Description Information
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Item Manager: S9G
Item Name: SULFAMIC ACID, TECHNICAL
Specification Number: UNKNOWN
Unit of Issue: DR
Quantitative Expression: 00000000050LB
UI Container Qty: 0
Type of Container: DRUM

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Ingredients
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Cas: 5329-14-6
RTECS #: WO5950000
Name: SULFAMIC ACID
Percent by Wt: 100.

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Health Hazards Data
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LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER
Route Of Entry Inds - Inhalation: YES
Skin: NO
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: SULFAMIC ACID IS IRRITATING TO THE SKIN, EYES AND MUCOUS
MEMBRAN

ES. CONCENTRATED ACID SOLUTIONS AND MISTS MAY PRODUCE CORROSIVE EFFECTS SIMILAR TO THOSE OF MINERAL ACIDS. THE ACTION OF SULFAMIC ACID ON THE SKIN APPEARS TO BE LIMITED TO THE EFFECTS OF LOW PH.

Explanation Of Carcinogenicity: THIS PRODUCT IS NOT CONSIDERED A CARCINOGEN BY NTP OR IARC .

Signs And Symptoms Of Overexposure: IRRITATION OF SKIN, EYES, MUCOUS MEMBRANES.

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid: EYES-IMMEDIATELY FLUSH WITH RUNNING WATER FOR 15 MINUTES, LIFT LIDS.

GET MEDICAL HELP. SKIN-REMOVE CONTAMINATED CLOTHES. FLUSH WITH RUNNING WATER FOR 15 MINUTES. GET MEDICAL HELP IF SKIN AREA LARGE OR IRRITATION PERSISTS. INHALED-REMOVE TO FRESH AIR. RESTORE AND/OR SUPPORT BREATHING. GET MEDICAL HELP. INGESTED-GET MEDICAL HELP. IF NOT READILY AVAILABLE & PERSON ALERT & CONSCIOUS, RINSE MOUTH WITH WATER THEN GIVE 2-3 GLASSES WATER OR MILK TO DILUTE.

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Handling and Disposal

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Spill Release Procedures: NOTIFY SAFETY PERSONNEL OF SULFAMIC ACID LEAK. PROVIDE ADEQUATE VENTILATION. WEAR PROPER PERSONAL PROTECTION TO PREVENT INHALATION OF DUST & SKIN/EYE CONTACT. COLLECT SPILLED MATERIAL FOR DISPOSAL OR RECOVERY BY DAMP SWEEPING & SCOOPING INTO CONTAINERS CAREFULLY. AVOID GENERATION OF DUST. FLUSH TRACE RESIDUES WITH WATER.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER

Waste Disposal Methods:

SCRAP MATERIAL CAN BE CAUTIOUSLY MIXED WITH COLD WATER AND AGITATED TO NEUTRALIZE IT. AFTER NEUTRALIZATION, SMALL AMOUNTS OF WASTE CAN BE DISCHARGED WITH A LARGE EXCESS OF WATER. FOLLOW FEDERAL, STATE AND LOCAL REGULATIONS.

Handling And Storage Precautions: STORE SULFAMIC ACID IN CLOSED CONTAINERS IN A COOL, DRY WELL-VENTILATED AREA AWAY FROM SOURCES OF HIGH TEMPERATURES. PREVENT ABSORPTION OF MOISTURE AND POSSIBLE CAKING. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions:

AVOID INHALING SULFAMIC ACID DUST OR MISTS. AVOID CONTACT WITH SKIN & EYES. DO NOT INGEST THIS MATERIAL. USE GOOD HYGIENIC PRACTICES TO KEEP EXPOSURE TO LOWEST LEVELS. WASH ALL EXPOSED SKIN PRIOR TO EATING, DRINKING OR SMOKING AFTER HANDLING MATERIAL.

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Fire and Explosion Hazard Information

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Extinguishing Media: USE MEDIA APPROPRIATE TO THE SURROUNDING FIRE CONDITIONS

Fire Fighting Procedures: FIRE FIGHTERS MUST USE SELF-CONTAINED BREATHING APPARATUS AND WEAR FULLY PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard: THIS MATERIAL CAN EMIT FUMES OF SULFUR DIOXIDE, SULFUR TRIOXIDE, NITROGEN OXIDES AND AMMONIA GAS WHEN IT IS INVOLVED IN A FIRE. WATER SOLUTIONS OF SULFAMIC ACID ARE STRONGLY ACIDIC.

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Control Measures
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Respiratory Protection: AN APPROVED DUST MASK OR RESPIRATOR SHOULD BE AVAILABLE FOR NONROUTINE OR EMERGENCY USE WHERE DUSTY CONDITIONS OCCUR.

Ventilation: PROVIDE ADEQUATE EXHAUST VENTILATION SUITABLE TO KEEP AIRBORNE PARTICULATE AT A MINIMUM IN THE WORKPLACE.

Eye Protection: WEAR CHEMICAL SAFETY GOGGLES AND/OR FULL FACESHIELD WHERE SPLASHING IS POSSIBLE

Other Protective Equipment: WEAR PROTECTIVE CLOTHING APPROPRIATE FOR THE WORK SITUATION TO MINIMIZE CONTACT OR SULFAMIC ACID WITH SKIN.

Work Hygienic Practices: USE GOOD HYGIENIC PRACTICES TO KEEP EXPOSURE TO LOWEST LEVELS. WASH ALL EXPOSED SKIN PRIOR TO EATING, DRINKING OR SMOKING AFTER HANDLING MATERIAL.

Supplemental Safety and Health: EYEWASH STATIONS AND SAFETY SHOWERS SHOULD BE READILY ACCESSIBLE IN AREAS OF USE AND HANDLING. CONTACT LENSES POSE A SPECIAL HAZARD, SOFT LENSES MAY ABSORB IRRITANTS, AND ALL LENSES CONCENTRATE THEM.

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Physical/Chemical Properties
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HCC: C2

Boiling Point: =205.1C, 401.2F

Melt/Freeze Pt: =200.C, 392.F

M.P/F.P Text: 392-399F

Decomp Temp: =208.9C, 408.F

Spec Gravity: 2.1

PH: 1.18

Evaporation Rate & Reference: N/F

Solubility in Water: 14.7@70C (DECOMPOSES)

Appearance and Odor: WHITE CRYSTALLINE SOLID, ORTHOROMBIC CRYSTALS, ODORLESS

Percent Volatiles by Volume: NIL

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Reactivity Data
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Stab

Stability Indicator: YES

Stability Condition To Avoid: MATERIAL IS HIGHLY STABLE AS A DRY CRYSTALLINE SOLID, BUT IN WATER SOLUTION IS SLOWLY HYDROLYZES AT ROOM TEMP TO FORM SULFATE AND BISULFATE. HYDROLYSIS IS RAPID AT ELEVATED TEMP.

Materials To Avoid: SULFAMIC ACID IS INCOMPATIBLE WITH HYPOCHLOROUS, CYANIDES, OR SULFIDES. IT REACTS WITH CARBONATES, METAL OXIDES, HYDROXIDES, AND ACTIVE METALS TO YIELD WATER SOLUBLE SALTS.

Hazardous Decomposition Products: SULFAMIC ACID THERMALLY DECOMPOSES AT 408.2F

(209C). PRODUCTS OF THERMAL OXIDATIVE DEGRADATION MAY INCLUDE SULFUR OXIDES, NITROGEN OXIDES, AND AMMONIA GAS.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

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Toxicological Information

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Toxicological Information: NONE SPECIFIED BY MANUFACTURER.
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Ecological Information

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Ecological: NONE SPECIFIED BY MANUFACTURER.
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MSDS Transport Information

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Transport Information: DOT CLASS: SULFAMIC ACID, 8, UN2967, PG III
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Regulatory Information

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Sara Title III Information: NONE SPECIFIED BY MANUFACTURER.

Federal Regulatory Information: NONE SPECIFIED BY MANUFACTURER.

State Regulatory Information: NONE SPECIFIED BY MANUFACTURER.
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Other Information

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Other Information: NONE SPECIFIED BY MANUFACTURER.
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Transportation Information

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Responsible Party Cage: 75656

Trans ID NO: 143041
Product ID: SULFAMIC ACID
MSDS Prepared Date: 01/01/1997
Review Date: 05/20/1999
MFN: 1
Net Unit Weight: 50 LB
Multiple KIT Number: 0
Unit Of Issue: DR
Container QTY: 0
Type Of Container: DRUM

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Detail DOT Information
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DOT PSN Code: ZZZ
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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Detail
I IMO Information
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IMO PSN Code: ZZZ
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
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Detail IATA Information
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IATA PSN Code: ZZZ
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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Detail AFI Information
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AFI PSN Code: ZZZ
AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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HAZCOM Label
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Product ID: SULFAMIC ACID
Cage: 75656
Company Name: LOS ANGELES CHEMICAL CO
Street: 4545 ARDINE ST
PO Box: 1987
City: SOUTH GATE CA
Zipcode: 90280
Health Emergency Phone: 213-562-9500
Label Required IND: Y
Date Of Label Review: 05/20/1999
Status Code: A
Ye

Year Procured: 1999
Origination Code: F
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: CAUTION
Respiratory Protection IND: YES
Health Hazard: Slight
Contact Hazard: Slight
Fire Hazard: None
Reactivity Hazard: None

Hazard And Precautions: SULFAMIC ACID IS IRRITATING TO THE SKIN, EYES AND MUCOUS MEMBRANES. CONCENTRATED ACID TARGET ORGANS: SKIN, EYES. SOLUTIONS AND MISTS MAY PRODUCE CORROSIVE EFFECTS SIMILAR TO THOSE OF MINERAL ACIDS. EYES-IMMEDIATELY FLUSH WITH RUNNING WATER FOR 15 MINUTES, LIFT LIDS. GET MEDICAL HELP. SKIN-REMOVE CONTAMINATED CLOTHES. FLUSH WITH RUNNING WATER FOR 15 MINUTES. GET MEDICAL HELP IF SKIN AREA LARGE OR IRRITATION PERSISTS. INHALED-REMOVE TO FRESH AIR. RESTORE AND/OR SUPPORT BREATHING. GET MEDICAL HELP. INGESTED-GET MEDICAL HELP. IF PERSON ALERT & CONSCIOUS, RINSE MOUTH WITH WATER THEN GIVE 2-3 GLASSES WATER OR MILK TO DILUTE.

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