

SPECTRUM CHEMICAL MFG CORP -- SULFAMIC ACID -- 6810-00-270-3253

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

Product ID:SULFAMIC ACID

MSDS Date:12/17/1996

FSC:6810

NIIN:00-270-3253

MSDS Number: BDRPW

=== Responsible Party ===

Company Name:SPECTRUM CHEMICAL MFG CORP

Address:14422 S. SAN PEDRO STREET

City:GARDENA

State:CA

ZIP:90248-2027

Country:US

Info Phone Num:213-516-8000

Emergency Phone Num:213-516-8000

Preparer's Name:E.BRULL

CAGE:63415

=== Contractor Identification ===

Company Name:CHEMICAL COMMODITIES AGENCY, INC.

Address:27447 PACIFIC STREET

Box:City:HIGHLAND

State:CA

ZIP:92346-2640

Country:US

Phone:909-864-2310

CAGE:60777

Company Name:INDUSTRIAL CHEMICAL COMMODITIES INC

Address:15944 DERWOOD RD

Box:City:ROCKVILLE

State:MD

ZIP:20855

Country:US

Phone:800-284-5279

Contract Num:SP0450-99-M-NF25

CAGE:1ELU0

Company Name:SPECTRUM LABORATORY PRODUCTS INC

Address:14422 S SAN PEDRO ST

Box:City:GARDE

NA
State:CA
ZIP:90248-2027
Country:US
Phone:310-516-8000/FAX: 310-516-9843
CAGE:63415

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

Ingred Name:SULFAMIC ACID
CAS:5329-14-6
RTECS #:WO5950000
= Wt:100.

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

LD50 LC50 Mixture:ORAL-RAT LD50: 3160 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Health Hazards Acute and Chronic:ACUTE: EYES: IRRITANT, CORROSIVE. CAN
RESULT IN CORNEAL DAMAGE OR
BLINDNESS. SKIN: IRRITANT, CORROSIVE.
AMOUNT OF TISSUE DAMAGE DEPENDS ON LENGTH OF CONTACT. INHALATION:
DUST WILL PRODUCE IRRITATION T O GI AND/OR RESPIRATORY TRACT.
SEVERE OVER EXPOSURE CAN PRODUCE LUNG DAMAGE, UNCONSCIOUSNESS, OR
DEATH. INGESTION: IRRITANT AND CORROSIVE TO ALL BODY TISSUES.
CHRONIC:EXTREMELY DANGEROUS IN CASE OF SK IN CONTACT (CORROSIVE,
IRRITANT), OF EYE CONTACT (IRRITANT), OF INGESTION, AND OF
INHALATION. VERY DANGEROUS IN CASE OF SKIN CONTACT (SE
NSITIZER).
SLIGHTLY DANGEROUS TO DANGEROUS IN CASE OF SKIN CONTA CT
(PERMEATOR).
Explanation of Carcinogenicity:CARCINOGENIC EFFECTS: NOT AVAILABLE.
Effects of Overexposure:EYES: IRRITATION, CORROSION, CORNEAL DAMAGE,
BLINDNESS. SKIN: IRRITATION, CORROSION, INFLAMATION, BLISTERING,
ITCHING, SCALING, DERMATITIS. INHALATION: IRRITATION OF
RESPIRATORY TRACT, IRRITATION OF GI TRACT, BURNING, SNEEZING,
COUGHING, LUNG DAMAGE, CHOKING, UNCONSCIOUSNESS, DEATH. INGESTION:
EX
TREMELY DANGEROUS.
Medical Cond Aggravated by Exposure:PRE-EXISTING CONDITIONS MAY WORSEN.

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

First Aid:EYES: REMOVE CONTACT LENSES. FLUSH EYES WITH PLENTY OF WATER
FOR 15 MINUTES. DO NOT USE AN EYE OINTMENT. GET MEDICAL ATTENTION.
SKIN: REMOVE CONTAMINATED CLOTHING. PLACE VICTIM UNDER A DELUGE
SHOWER. NEUTRALIZE EXPOSED SKIN WITH A DILUTE SOLUTION OF SODIUM
CARBONATE. GENTLY AND THOROUGHLY WASH THE CONTAMINATE

D SKIN WITH

RUNNING WATER AND NON-ABRASIVE SOAP. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. INHALATION: MOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF NOT BREATHING, PERFORM MOUTH TO MOUTH RESUSCITATION. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

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

Flash Point:NON - FLAMMABLE.

Extinguishing Media:NON-FLAMMABLE.

Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA IN ENCLOSED AREA.

Unusual Fire/Explosion Hazard:NO SPECIFIC INFORMATION IS AVAILABLE IN MANUFACTURERS DATABASE REGARDING THE PRODUCTS RISKS OF EXPLOSION IN THE PRESENCE OF VARIOUS MATERIALS.

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

Spill Release Procedures:SMALL SPILL: PUT SPILLED SOLID IN DISPOSAL CONTAINER. IF NECESSARY: NEUTRALIZE RESIDUE WITH DILUTE SOLUTION OF SODIUM CARBONATE. LARGE SPILLS: DO NOT GET WATER INSIDE CONTAINER. DO

NOT TOUCH MATERIAL. USE WATER SPRAY TO REDUCE VAPORS. PREVENT ENTRY INTO SEWERS, BASEMENTS, CONFINED AREAS. DIKE IF NEEDED. CALL FOR ASSISTANCE ON DISPOSAL. NEUTRALIZE RESIDUE WITH DILUTE SOLUTION OF SODIUM CARBONATE.

Neutralizing Agent:DILUTE SOLUTION OF SODIUM CARBONATE.

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

Handling and Storage Precautions:CORROSIVE MATERIALS SHOULD BE STORED IN A SEPARATE SAFETY STORAGE CABINET OR ROOM. KEEP CONTAINER DRY.

NEVER ADD WATER TO THIS PRODUCT. IN CASE OF INSUFFICIENT VENTILATION, WEAR SUITABLE RESPIRATORY EQUIPMENT.

Other Precautions:DO NOT BREATHE DUST. AVOID CONTACT WITH SKIN AND EYES. IF YOU FEEL UNWELL, GET MEDICAL ATTENTION AND SHOW THE LABEL WHEN POSSIBLE.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR DUST,VAPOR/MIST IF ABOVE TLV/PEL OR SCBA IN AN ENCLOSED AREA.

Ventilation:USE PROCESS ENCLOSURE

RES, LOCAL EXHAUST VENTILATION, OR OTHER
ENGINEERING CONTROLS TO KEEP AIRBORNE LEVELS BELOW RECOMMENDED
EXPOSURE LIMITS.

Protective Gloves:IMPERVIOUS.

Eye Protection:CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:EYE-WASH,SAFETY SHOWER;FULL PROTECTIVE
CLOTHING. FOR LARGE SPILLS WEAR SPLASH GOGGLES, FULL SUIT, VAPOR
AND DUST RESPIRATOR, BOOTS, GLOVES. A SELF CONTAINED BREATHING
APPARATUS SHOULD BE USED.

Work Hygienic Practices:AVOID CONTACT WITH EYES AND SKIN. DO NOT

BREATHE DUST, VAPORS, MIST. WASH THOROUGHLY AFTER EACH USE. LAUNDRER
CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

IF USER OPERATIONS GENERATE DUST, FUME, OR MIST, USE VENTILATION TO
KEEP EXPOSURE TO AIRBORNE CONTAMINANTS BELOW EXPOSURE LIMIT.

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

HCC:C1

Melt/Freeze Pt:M.P/F.P Text:DECOMPOSES

Decomp Temp:=205.C, 401.F

Spec Gravity:2.15

pH:1

Solubility in Water:SOLUBLE IN COLD WATER.

Appearance and Odor

:COLORLESS,ODORLESS CRYSTALS.

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

Stability Indicator/Materials to Avoid:YES

NO SPECIFIC INFORMATION IS AVAILABLE IN MANUFACTURERS DATABASE
REGARDING THE REACTIVITY OF THIS MATERIAL IN PRESENCE OF VARIOUS
OTHER MATERIALS. NON-CORROSIVE IN PRESENCE OF GLASS.

Stability Condition to Avoid:WATER.

Hazardous Decomposition Products:AMMONIA,OXIDES OF NITROGEN & SULFUR.

===== Toxicological Information =====

=====

Toxicological Information:CHRONIC EFFECTS ON HUMANS: PRODUCT IS TOXIC
TO LUNGS, MUCOUS MEMBRANES. TOXICITY OF PRODUCT TO REPRODUCTIVE
SYSTEM: NOT AVAILABLE. OTHER EFFECTS ON HUMANS: EXTREMELY DANGEROUS
IN CASE OF SKIN CONTACT(CORROSIVE, IRRITANT), OF EYE CONTACT
(IRRITANT), OF INGESTION, OF INHALATION. VERY DANGEROUS IN CASE OF
SKIN CONTACT (SENSITIZER). SLIGHTLY DANGEROUS TO DANGEROUS IN CASE
OF SKIN CONTACT (PERMEATOR).

===== Ecological Informa

tion =====

Ecological:TOXICITY OF THE PRODUCTS OF BIODEGRADATION: THE PRODUCTS OF DEGRADATION ARE AS TOXIC AS THE ORIGINAL PRODUCT.

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

Waste Disposal Methods:RECYCLE TO PROCESS, IF POSSIBLE. CONSULT YOUR LOCAL OR REGIONAL AUTHORITIES. DISPOSE OF COLLECTED MATERIAL IN ACCORDANCE WITH LOCAL,STATE AND FEDERAL REGULATIONS.

===== MSDS Transport Information =====

Transport I

nformation:DOT CLASSIFICATION: SULFAMIC ACID, CLASS 8, UN2967, PKG III, CORROSIVE SOLID.

===== Regulatory Information =====

Federal Regulatory Information:LISTED ON TSCA: SULFAMIC ACID.

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.