HARCROS CHEMICALS INC SULFAMIC ACID 6810-00-146-1586
Product ID:SULFAMIC ACID
MSDS Date:11/03/1993
FSC:6810
NIIN:00-146-1586
MSDS Number: CGMFF
=== Responsible Party ===
Company Name:HARCROS CHEMICALS INC.
Address:5200-SPEAKER ROAD
Box:2383
City:KANSAS CITY
State:KS
ZIP:66106-1095
Country:US
Info Phone Num:913-321-3131
Emergency Phone Num:913-321-3131
CAGE:3H606
=== Contractor Identification ===
Company Name:HARCROS CH
EMICALS INC.
Address:5200-SPEAKER ROAD
Box:2383
City:KANSAS CITY
State:KS
ZIP:66106-1095
Country:US
Phone:913-321-3131 CAGE:3H606
Company Name:JEM SALES, INC. Address:430 LAVENDER DRIVE
Box:City:ROME
State:GA
ZIP:30165-2262
Country:US
Phone:800-424-9300
CAGE:0AZ07
======= Composition/Information on Ingredients ========
Ingred Name:SULFAMIC ACID
CAS:5329-14-6
RTECS #:W05950000
Fraction by Wt: 100%
Other REC Limits:NONE RECOMMENDED
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==== Hazards Identification ===

LD50 LC50 Mixture: NOT GIVEN FOR PRODUCT AS A WHOLE

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:EYE CONTACT MAY CAUSE IRRITATION, PAIN, TEARS, DAMAGE, BLINDNESS. SKIN CONTACT MAY CAUSE SEVERE IRRITATION, PAIN, SKIN DAMAGE. INHALATION MAY CAUSE IRRITATION, COUGHING, CHOKING, HEADACHE, DIZZINESS, WEAKNESS, BREATHING DIFFICULTY, PULMONARY EDEMA. INGESTION MAY CAUSE I

RRITATION, PAIN,

SEVERE BURNS, GI TRACT UPSET.

Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

Effects of Overexposure:EYE PAIN/IRRITATION/TEARS/DAMAGE/BLINDNESS, SKIN IRRITATION/PAIN/DAMAGE, RESPIRATORY TRACT IRRITATION, COUGHING, CHOKING, HEADACHE, DIZZINESS, WEAKNESS, BREATHING DIFFICULTY, EXCESS FLUID RETENTION, T ISSUE DISCOLORATION, GI TRACT IRRITATION/PAIN/BUR

NS, VOMITING, DIARRHEA, TISSUE PERFORATION.

Medical Cond Aggravated by Exposure:DISSORDERS OF THE RESPIRATORY SYSTEM, SKIN.

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF IRRITATION PERSIST, GET MEDICAL ATTENTION. INH ALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET MEDICAL ATTENTION. IN

GESTION: DO NOT INDUCE VOMITING. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS. DILUTE STOMACH CONTENTS BY DRINKING WATER. CALL MD.

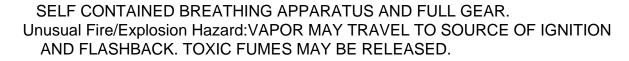
========= Fire Fighting Measures ==============

Flash Point:NONFLAMMABLE

Lower Limits:NOT GIVEN Upper Limits:NOT GIVEN

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY, FOAM, WATER FOG

Fire Fighting Procedures: PREVENT HUMAN EXPOSURE TO FIRE, FUMES, SMOKE, AND PRODUCTS OF COMBUSTION. FIREFIGHTERS SHOULD WEAR FULL FACE,



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

Spill Release Procedures:EVACUATE NONESSENTIAL PERSONNEL. ELIMINATE IGNITION SOURCES. WEAR PROTECTIVE EQUIPMENT. SHUT OFF SOURCE IF SAFE TO DO SO. CONTAIN SPILL. RECOVER FREE PRODUCT. ABSORB RESIDUE. IT MAY BE NECESSARY TO RE MOVE CONTAMINATED SOIL

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions: KEEP CONTAINER CLOSED WHEN NOT IN USE. STORE IN A COOL DRY PLACE. STORE IN ACCORDANCE WITH NFPA REQUIREMENTS. KEEP HEAT, LIGHTS, FIRE & SPARKS AWAY.

Other Precautions:EMPTY CONTAINERS RETAIN RESIDUE AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS,

STATIC ELECTRICITY OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE.

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

Respiratory Protection:IF EXPOSURE LIMITS ARE EXCEEDED OR IF EXPOSURE MAY OCCUR, USE A NIOSH/MSHA RESPIRATOR APPROVED FOR YOUR CONDITIONS OF EXPOSURE. REFER TO THE MOST RECENT NIOSH PUBLICATIONS CONCERNING CHEMICAL HAZARDS.

Ventilation: ADEQUATE VENTILATION IS REQUIRED TO MINIMIZE EXPOSURE OR TO MAINTAIN EXPOSURE LEVELS BELOW OSHA/ACGIH REQUIREMENTS.

Protective Gloves: ACID PROOF GLOVES

Eye Protection: CHEMICAL GOGGLES, FACE SHIELD

Other Protective Equipment:CHEMICAL RESISTANT CLOTHING AS NECESSARY TO PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE AVAILABLE.

Work Hygienic Practices: WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

WHEN DILUTING, ADD ACID TO WATER, NEVER WATER TO ACID. WHEN DILUTING, ADD PRODUCT SLOWLY

TO WATER WITH AGITATION.
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HCC:C1 Boiling Pt:B.P. Text:>401F,>205C Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN Vapor Pres:NIL Vapor Density:NOT GIVEN Spec Gravity:2.1 pH:1.180 Viscosity:NOT GIVEN Evaporation Rate & Description of the Company of the
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Stability Indicator/Materials to Avoid:YES INORGANIC BASES Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER. Hazardous Decomposition Products:OXIDES OF NITROGEN, OXIDES OF SULFUR, AMMONIA, AMINES
======== Disposal Considerations =============
Waste Disposal Methods:MATERIAL THAT CANNOT BE USED OR CHEMICALL REPROCESSED SHOULD BE DISPOSED OF AT AN APPROPRIATE FACILITY IN ACCORDANCE WITH ANY APPLICABLE REGULATIONS UNDER THE RESOURCE CONSERVATIO N AND RECOVERY ACT. D ISPOSE OF MATERIAL IN ACCORDANCE WITH ALL REGS.
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