

MECHANICAL EQUIPMENT CO INC -- SULFAMIC ACID -- 6810-01-236-9402  
===== Product Identification =====

Product ID:SULFAMIC ACID  
MSDS Date:06/01/1991  
FSC:6810  
NIIN:01-236-9402  
MSDS Number: BLMXB  
=== Responsible Party ===  
Company Name:MECHANICAL EQUIPMENT CO INC  
Address:861 CARONDELET ST  
City:NEW ORLEANS  
State:LA  
ZIP:70130  
Country:US  
Info Phone Num:504-523-7271/FAX 525-4846  
Emergency Phone Num:504-523-7271/FAX 525-4846  
CAGE:76371

=== Contractor Identification ===  
Company Name:MECHANICAL EQUIPMENT CO INC (MECO)  
Address:861 CARONDELET ST  
Box:City:NEW ORLEANS  
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CAGE:76371

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

Ingred Name:SULFAMIC ACID  
CAS:5329-14-6  
RTECS #:WO5950000  
Fraction by Wt: 99.0%  
Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:LD50 (ORA

L RAT) IS 3160 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:ACUTE-EYE:CAN CAUSE SEVERE IRRITATION & POSSIBLE BURNS,PAIN,REDNESS,TEARING.SKIN:MAY CAUSE SEVERE PAIN,BURNS & STAINS.INHALED:FUMES/MIST MAY CAUSE SEVERE MUCOUS MEMBRANE IRRITATION,COUGHING,CHOKING,HE ADACHE,DIZZINESS & DELAYED PULMONARY EDEMA.INGESTED:MAY CAUSE SEVERE BURNING PAIN,VOMITING,DIARRHEA.CHRONIC-EYE DAM

AGE.

Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure:CAN CAUSE SEVERE EYE IRRITATION AND POSSIBLE BURNS, PAIN, REDNESS AND TEARING. MAY CAUSE SEVERE PAIN, BURNS AND STAINS OF SKIN. FUMES OR MIST MAY CAUSE SEVERE MUCOUS MEMBRANE IRRITATION, COUGHING, CHO KING, HEADACHE, DIZZINESS AND DELAYED PULMONARY EDEMA. IF INGESTED, MAY CAUSE SEVERE BURNING PAIN, VOMITING, DIARRHEA.

Medical C

ond Aggravated by Exposure:PRE-EXISTING SKIN OR RESPIRATORY CONDITIONS

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

First Aid:SEEK MEDICAL CARE IN ALL CASES.EYES:IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 30 MINUTES,WASHING UNDER THE EYELIDS.INHALATION:REMOVE TO FRESH AIR.PROVIDE CPR/OXYGEN IF NEEDED.INGESTION:DO NOT INDUCE V OMITING.IF CONSCIOUS,RINSE MOUTH WITH WATER & DRINK MILK/WATER.SKIN:IMMEDIATELY FLUSH WITH LARGE AMOUNT OF WATER.THE MATERI  
AL IS ACIDIC AND CORROSIVE.IT CAUSES ACID BURNS.

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

Flash Point:NONE

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, HALON, OR DRY CHEMICAL. COOL FIRE EXPOSED CONTAINERS WITH WATER.

Fire Fighting Procedures:IN THE EVENT OF FIRE, WEAR FULL PROTECTIVE CLOTHING & NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:COMBUSTION

OR HEAT OF FIRE MAY PRODUCE  
HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT.VENTILATE AREA.AVOID GENERATION OF DUST/MIST & SPLASHING .DIKE & CONTAIN SPILL.DON'T ALLOW SPILLS TO ENTER SEWERS,STREAM/SURFACE WATER.USE ACID RESISTANT VACUUM/WET SWEEPING TO PICK UP SOLIDS.DILUTE SOLUTIONS & NEUTRALIZE.

Neutralizing Agent:WEAK BASE

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

Handling and Storage Precautions:STORAGE-STORE IN TIGHTLY CLOSED CONTAINERS IN A COOL,DRY,WELL-VENTILATED AREA AWAY FROM BASES & HEAT.

Other Precautions:PROTECT CONTAINERS FROM MOISTURE & FROM PHYSICAL DAMAGE.MISUSE OF EMPTY CONTAINERS CAN BE HAZARDOUS.COMpletely DRAIN & COMMERCIALLY CLEAN BEFORE REUSE.AVOID CONTACT WITH THE SOLID MATERIAL, SOLUTIONS OR MISTS. IT CAUSES TISSUE DAMAGE.

===== Exposure Controls/Personal Protection  
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Respiratory Protection:IN SITUATIONS WHERE MIST/DUST CONCENTRATIONS MAY EXCEED THE RECOMMENDED EXPOSURE LIMIT, A NIOSH-APPROVED HIGH EFFICIENCY PARTICULATE FILTER RESPIRATOR SHOULD BE WORN. USE SELF-CONTAINED SUPPLIED-AIR RESPIRATORS FOR EMERGENCIES.

Ventilation:GENERAL DILUTION OR CORROSION RESISTANT MECHANICAL VENTILATION OR LOCAL EXHAUST SHOULD BE USED.

Protective Gloves:ACID-RESISTANT GLOVES

Eye Protection:CHEMICAL GOGGLES & FACE SHIELD

Other Protective Equi

pment:IMPERVIOUS APRON, BOOTS, PANTS, HOOD AND JACKET. EYE-WASH FACILITIES, SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER EACH USE. DO NOT EAT, DRINK,OR SMOKE WHILE WORKING WITH THIS MATERIAL.

Supplemental Safety and Health

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

HCC:C1

Spec Gravity:2.125

pH:1.18

Solubility in Water:14.7% @ 0C

Appearance and Odor:COLORLESS, ODORLESS, NON-VOLATILE CRYSTALS

Percent Volatiles by Volume:NIL

===== St

ability and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

NITRIC ACID, METAL NITRATES AND NITRITES AND BASES

Stability Condition to Avoid: HIGH HEAT, OPEN FLAMES

Hazardous Decomposition Products: THERMAL DECOMPOSITION MAY RELEASE  
TOXIC FUMES OF AMMONIA, OXIDES OF SULFUR AND NITROGEN

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE  
LOCAL, STATE AND FEDERAL REGULATIONS. EM

PTY TANKS AND CONTAINERS

SHOULD BE COMMERCIALY CLEANED AND RECONDITIONED BEFORE REUSE.

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