

VAN WATERS AND ROGERS INC., UNIVAR CORP. -- SULFAMIC ACID -- 6810-00-146-1586

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

Product ID:SULFAMIC ACID

MSDS Date:02/09/1990

FSC:6810

NIIN:00-146-1586

MSDS Number: BPFQL

=== Responsible Party ===

Company Name:VAN WATERS AND ROGERS INC., UNIVAR CORP.

Address:1600 NORTON BLDG. 801 2ND AVENUE

City:SEATTLE

State:WA

ZIP:98104-1564

Country:US

Info Phone Num:408-435-8700

Emergency Phone Num:206-447-5911/800-424-9300(CHEMTREC)

CAGE:87

664

=== Contractor Identification ===

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===== 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 LC

50 Mixture:LD50 (ORAL 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,HEADACHE,DIZZINESS & DELAYED PULMONARY EDEMA.INGESTED:MAY CAUSE SEVERE BURNING PAIN,VOMITING,DIARRHEA.

CHRONIC-EYE DAMAGE.

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, CHOKING, HEADACHE, DIZZINESS AND DELAYED PULMONARY EDEMA. IF INGESTED, MAY CAUSE SEVERE BURNING PAIN, VOMITING, DIARRHEA.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY THE MANUFACTURER/SUPPLIER.

===== 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 VOMITING.IF CONSCIOUS,RINSE MOUTH WITHWATER & DRINK MILK/WATER.SKIN:IMMEDIATELY FLUSH WITH LARGE AMOUNT OF WATER.THE MATERIAL IS ACIDIC AND CORROSIVE.IT CAUSES ACID BURNS.

===== 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/Expl

osion 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 (SODA ASH
OR BAKING SODA)

===== 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 =====

Respiratory Protection:NONE STATED BY MFR.

Ventilation:NORMAL ROOM VENTILATION.

Protective Gloves:IMPERVIOUS WHEN HANDLING.

Eye Protection:SAFETY GLASSES

Other Protective Equipment:NONE STATED

Work Hygienic Practices:USE GOOD INDUSTRIAL HYGIENE PRACTICE. WASH
AFTER USING THE PRODUCT AND BEFORE EATING, DRINKING, ETC.

Supplemental Safety and Health

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

HCC:C1

Spec Gravity:2.125

pH:1.18

Solubility in Water:PARTIAL (17.7%)

Appearance and Odor:COLORLESS, ODORLESS WHITE TO OFF-WHITE CRYSTALS.

Percent Volatiles by Volume:NIL

===== Stability 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 NIT

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE
LOCAL,STATE AND FEDERAL REGULATIONS. EMPTY TANKS AND CONTAINERS
SHOULD BE COMMERCIALY CLEANED AND RECONDITIONED BEFORE REUSE.

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