

MONSANTO COMPANY -- SULFURIC ACID -- 6810-00-146-7520

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

Product ID:SULFURIC ACID

MSDS Date:01/01/1987

FSC:6810

NIIN:00-146-7520

MSDS Number: BDCKL

=== Responsible Party ===

Company Name:MONSANTO COMPANY

Address:800 N LINDBERGH BLVD

City:ST. LOUIS

State:MO

ZIP:63141

Country:US

Info Phone Num:314-694-1000

Emergency Phone Num:314-694-1000

CAGE:DO969

=== Contractor Id

entification ===

Company Name:MONSANTO COMPANY

Address:800 N LINDBERGH BLVD

Box:City:SAINT LOUIS

State:MO

ZIP:63167

Country:US

Phone:314-694-6661 OR 800-332-3111

CAGE:76541

Company Name:MONSANTO COMPANY

Address:800 N. LINDBERGH BLVD

City:ST. LOUIS

State:MO

ZIP:63167

Phone:314-694-1000

CAGE:DO969

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

Ingred Name:SULFURIC ACID (SARA III)

CAS:7664-93-9

RTECS #:WS5600000

Fraction by Wt: 2.0%

===== Hazards Identific

ation =====

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

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

Health Hazards Acute and Chronic:ACUTE: PRODUCES RAPID DESTRUCTION OF TISSUES AND SEVERE BURNS ON CONTACT WITH BODILY TISSUES OF ANY KIND. CHRONIC: TISSUE DAMAGE, INJURY TO LUNGS AND GASTROINTESTINAL TRACT.

Effects of Overexposure:WILL CAUSE SEVERE BURNS TO SKIN OR EYES. INHALATION OF MIST CAN INJURE LUNGS. INGESTION CAUSES SEVERE INJURY.

Me

dical Cond Aggravated by Exposure:PRE-EXISTING CONDITIONS MAY BE WORSENERD.

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

First Aid:SPEED IN REMOVING ACID IS OF PRIMARY IMPORTANCE. IMMEDIATELY FLUSH SKIN OR EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION. INHALATION: REMOVE TO UNCONTAMINATED AREA. INGESTION: DRINK LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION IMMEDIATELY.

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

Unusual Fire/Explosion Hazard:HYDROGEN IS GENERATED BY THE ACTION OF ACID ON MOST METALS.

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

Spill Release Procedures:FLUSH CONTINUOUSLY WITH PLENTY OF WATER TO NEUTRALIZE ACID AREA. ADEQUATE VENTILATION IS NEEDED. USE ONLY INERT CLAY OR SAND TO PICK UP SPILLS. DO NOT USE SAWDUST OR RAGS.

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

Handling and Storage Precautions:DO NOT STORE NEAR ORGANIC MATERIALS OR REACTIVE CHEMICALS.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR AN ACID MIST IF ABOVE PEL/TLV.

Ventilation:LOCAL, MECHANICAL EXHAUST

Protective Gloves:RUBBER

Eye Protection:GOGGLES

Other Protective Equipment:FACESHIELD, RUBBER APRON, RUBBER BOOTS, SAFETY SHOWER, EYE-WASH

Work Hygienic Practices:AVOID CONTACT WITH SKIN AND EYES. DO NOT BREATHE VAPORS. WASH THOROUGHLY

AFTER EACH USE .DO NOT USE
CONTAMINATED CLOTHES
Supplemental Safety and Health

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

HCC:C1

Boiling Pt:B.P. Text:526F,274C

Spec Gravity:1.835

Evaporation Rate & Reference:< 1 (ETHER = 1)

Solubility in Water:COMPLETE

Appearance and Odor:SLIGHTLY VISCOUS, CLEAR TO LIGHT YELLOW LIQUID.

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

Stability Indicator/Materials to Avoid:YES

COMBUSTIBLE MATERIALS, NITRATE

S, CARBIDES, CHLORATES, METALLIC POWDER.

Stability Condition to Avoid:HIGH HEAT

Hazardous Decomposition Products:OXIDES OF SULFUR, HYDROGEN SULFIDE,
HYDROGEN GAS

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

Waste Disposal Methods:FLUSH AWAY TO NEAREST SEWER WITH LOTS OF WATER
IF LOCAL REGULATIONS PERMIT. IN SOME CASES WASTE MAY HAVE TO BE
HAULED AWAY BY A DISPOSAL CONTRACTOR TO AVOID LOCAL POLLUTION
STANDARDS.

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