

WRIGHT CHEMICAL CORP -- SULFURIC ACID -- 6810-00-551-5231

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Product Identification
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Product ID:SULFURIC ACID

MSDS Date:04/01/1986

FSC:6810

NIIN:00-551-5231

MSDS Number: BFFBB

=== Responsible Party ===

Company Name:WRIGHT CHEMICAL CORP

Address:ACME STATION

Box:402

City:RIEGELWOOD

State:NC

ZIP:28456

Country:US

Info Phone Num:919-655-2263

Emergency Phone Num:919-655-2263 OR 919-655-2905 NIG

HTS

CAGE:5U648

=== Contractor Identification ===

Company Name:WRIGHT CHEMICAL CORP

Address:ACME STATION

Box:City:RIEGELWOOD

State:NC

ZIP:28456

Country:US

CAGE:5U648

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Composition/Information on Ingredients
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Ingred Name:SULFURIC ACID (SARA III)

CAS:7664-93-9

RTECS #:WS5600000

Fraction by Wt: 93.2%

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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Hazards Identification
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Routes of Entry: I

Inhalation: YES Skin: NO Ingestion: NO

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

Health Hazards Acute and Chronic: ACUTE: CORROSIVE TO ALL BODY TISSUES.

INHALATION MAY CAUSE SERIOUS LUNG DAMAGE. CONTACT WITH EYES MAY RESULT IN TOTAL LOSS OF VISION. SKIN CONTACT MAY PRODUCE SEVERE NECROSIS. FATAL DOSE (ADULT) 1 TEASPOON TO 1 OUNCE. CHRONIC: REPEATED EXPOSURE CAUSES TRACHEA BRONCHITIS, STOMATITIS, CONJUNCTIVITIS AND GASTRITIS.

Explanation of Carcinogenicity: SULFURIC ACID IS NOT CURRENTLY

CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.

Effects of Overexposure: REPEATED EXPOSURE MAY CAUSE DISCOLORATION OF THE TEETH. CONTACT CAUSES CORROSION OF MUCOUS MEMBRANES OF MOUTH, THROAT, AND ESOPHAGUS WITH IMMEDIATE PAIN AND DIFFICULTY IN SWALLOWING.

Medical Conditions Aggravated by Exposure: THOSE WITH CHRONIC RESPIRATORY, GASTROINTESTINAL, OR NERVOUS DISEASES AND ANY EYE AND SKIN DISEASES ARE AT GREATER RISK.

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===== First Aid Measures
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First Aid: MOVE EXPOSED VICTIM TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. CALL EMERGENCY MEDICAL CARE. IF CONTACT WITH MATERIAL OCCURS, FLUSH SKIN OR EYE WITH WATER FOR 15 MINUTES. KEEP VICTIM QUIET AND MAINTAIN BODY TEMPERATURE. IF INGESTED, DO NOT INDUCE VOMITING. DILUTE THE ACID WITH WATER OR MILK.

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

Flash Point: NONE

Lower Limits: NONE

Upper Limits: NONE

Extinguishing

Media: NONFLAMMABLE. USE MEDIA SUITABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures: FIGHT FIRE FROM SAFE DISTANCE OR FROM PROTECTED POSITION. USE CARE, AS WATER APPLIED DIRECTLY TO THIS ACID RESULTS IN THE EVOLUTION OF HEAT AND CAUSES SPLATTER.

Unusual Fire/Explosion Hazard: WHEN HEATED, PRODUCT EMITS HIGHLY TOXIC FUMES OF SULFUR DIOXIDE, SULFUR TRIOXIDE. IT IS HIGHLY REACTIVE AND CAPABLE OF IGNITING FINELY DIVIDED COMBUSTIBLE MATERIAL.

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===== Accidental Release M

asures =====

Spill Release Procedures:KEEP COMBUSTIBLES AWAY FROM SPILLED MATERIAL.
DO NOT TOUCH SPILLED MATERIAL. STOP LEAK IF POSSIBLE. VENTILATE
CLOSED SPACES BEFORE ENTERING. FULL PROTECTIVE CLOTHING SHOULD BE
WORN. ISOLATE 580 FEET I N ALL DIRECTIONS. GET EXPERT ASSISTANCE.
Neutralizing Agent:AGRICULTURAL LIME, SLAKED LIME, CRUSHED LIMESTONE OR
SODIUM BICARBONATE.

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

Handling and Storage Precautions:AVOID HOT SURFACES, OPEN FLAMES. KEEP
IN COOL DRY PLACE. KEEP CONTAINERS TIGHTLY CLOSED.
Other Precautions:AVOID SKIN AND/OR EYE EXOSURES. DO NOT INHALE FUMES
OR ACID MISTS.

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

Respiratory Protection:IF TLV EXCEEDED, NIOSH/MSHA APPROVED
SELF-CONTAINED BREATHING APPARATUS IN POSITIVE PRESSURE MODE.
Ventilation:LOCAL EXHAUST VENTILATION SHOULD BE SUFFICIENT TO MEET OSHA
PEL.
Protective Gloves:RUBBER, PVC
Eye
Protection:SPLASH PROOF GOGGLES WITH FACESHIELD
Other Protective Equipment:EMERGENCY SHOWER, EYE WASH STATION, ACID
RESISTANT CLOTHING TO COVER EXPOSED SKIN AREAS.
Work Hygienic Practices:AVOID SKIN AND EYE CONTACT.
Supplemental Safety and Health

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

HCC:C1
Boiling Pt:B.P. Text:529F,276C
Spec Gravity:1.8354
Solubility in Water:COMPLETE
Appearance and Odor:CLEAR, COLORLESS TO CLOUDY LIQUID. NO ODOR.
Percent Volatiles by Volume
:96 %

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

Stability Indicator/Materials to Avoid:YES
CARBIDES, FULMINATES, NITRATES, PICRATES, POWDERED METALS, COMBUSTIBLE
MATERIALS, WATER, ORGANIC MATERIALS.
Stability Condition to Avoid:HIGH HEAT AND PRESSURE, MOISTURE
Hazardous Decomposition Products:OXIDES OF SULFUR, HYDROGEN SULFIDE,
HYDROGEN GAS

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

Waste Disposal Methods:DISPOSE OF WASTE MATERIAL IN

ACCORDANCE WITH
APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.

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