

COLONIAL CHEMICAL CO -- SULFURIC ACID 48% - 93% -- 6810-00-823-8008

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

Product ID:SULFURIC ACID 48% - 93%

MSDS Date:11/21/1991

FSC:6810

NIIN:00-823-8008

MSDS Number: BSTXY

=== Responsible Party ===

Company Name:COLONIAL CHEMICAL CO

Address:R D NO 3 TABERNACLE CARRANZA RD

City:VINCETOWN

State:NJ

ZIP:08088-9804

Country:US

Info Phone Num:609-268-1200

Emergency Phone N

um:609-268-1200

CAGE:2L633

=== Contractor Identification ===

Company Name:COLONIAL CHEMICAL CO

Address:R D NO 3 TABERNACLE CARRANZA RD

Box:City:VINCETOWN

State:NJ

ZIP:08088-9804

Country:US

Phone:609-268-1200

CAGE:2L633

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

Ingred Name:SULFURIC ACID (SARA III)

CAS:7664-93-9

RTECS #:WS5600000

Fraction by Wt: 48-93%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9394

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 7-52% %
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 2140 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:INHALATION OF VAPORS CAUSES SEVERE
IRRITATION OR BURNS OF THE RESPIRATORY SYSTEM, PULMONARY EDEMA, OR
LUNG INFLAMMATION.
EYE CONTACT CAUSES SEVERE DAMAGE AND POSSIBLE
BLINDNESS. SKIN CONTACT CAUSES BURNS AND POSSIBLE DEEP ULCERATION.
INGESTION CAUSES SEVERE BURNS TO MOUTH, THROAT, AND STOMACH.
Explanation of Carcinogenicity:THIS CHEMICAL IS NOT LISTED BY IARC,
NTP, OR OSHA AS A CARCINOGEN.
Effects of Overexposure:SEVERE IRRITATION OR BURNS TO EYES, NOSE AND
THROAT. PULMONARY EDEMA, BRONCHIAL EMPHYSEMA, CONJUNCTIVITIS,
STOMATITIS, DENTAL EROSION, NAUSEA AND VOMITING.
Medical Cond Aggravated by E
xposure:PERSONS WITH A HISTORY OF AILMENTS
OR WITH A PRE-EXISTING DISEASE INVOLVING THE RESPIRATORY TRACT MAY
BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING.
GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER
FOR 15 MINUTES HOLDING EYELIDS OPEN. GET PROMPT MEDICAL ATTENTION.
SKIN :REMOVE CONTAMINATED CLOTHING. WASH WITH PLENTY OF W
ATER FOR
15 MINUTES. GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE VOMITING.
GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE MEDICAL
ATTENTION.

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

Flash Point:NONFLAMMABLE
Lower Limits:NOT GIVEN
Upper Limits:NOT GIVEN
Extinguishing Media:NONFLAMMABLE. USE MEDIA SUITABLE FOR SURROUNDING
FIRE.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS

. COOL FIRE EXPOSED
CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:GENERATES HEAT ON ADDITION OF WATER WITH
POSSIBLE SPATTERING. NEUTRALIZE RUNOFF WITH LIME, SODA ASH, ETC.

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

Spill Release Procedures:ELIMINATE ALL SOURCES OF IGNITION. WEAR FULL
PROTECTIVE EQUIPMENT. STOP LEAK IF YOU CAN DO SO WITHOUT RISK. DIKE
TO RETAIN RUNOFF. PUMP LIQUID TO SALVAGE TANK. NEUTRALIZE SMALL
AMOUNTS WITH SODA ASH O
R LIME. MAKE SLURRY AND SHOVEL INTO
DISPOSAL DRUM.
Neutralizing Agent:SODIUM BICARBONATE OR A SODA ASH/SLAKED LIME MIXTURE
(50-50)

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. KEEP
CONTAINERS AWAY FROM HEAT. ISOLATE FROM INCOMPATIBLE MATERIALS. ADD
ACID TO WATER SLOWLY TO PREVENT SPLATTERING.
Other Precautions:ADDITION TO WATER RELEASES HEAT WHICH CAN RESULT IN
VIOLENT BOILING AND SPATTE
RING. ALWAYS ANDD SLOWLY AND IN SMALL
AMOUNTS. NEVER USE HOT WATER. NEVER ADD WATER TO ACIDS. ALWAYS ADD
ACIDS TO WATER. E MPTY CONTAINERS MAY BE HAZARDOUS.

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

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION
CONDITIONS EXIST. IF AIRBORNE CONCENTRATION EXCEEDS TLV, A NIOSH
APPROVED SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED.
Ventilation:USE SUFFICIENT MECHANICAL (GENERAL) VENTILATION TO MAINT
AIN
EXPOSURE BELOW TLV REQUIREMENTS.
Protective Gloves:POLYVINYL CHLORIDE GLOVES
Eye Protection:CHEMICAL SPLASH GOGGLES AND FACE SHIELD
Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.
INDUSTRIAL-TYPE IMPERVIOUS WORK CLOTHING, BOOTS AND APRON AS
REQUIRED.
Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.
Supplemental Safety and Health
NOTES TO PHYSICIAN: CONTINUED WASHING OF THE AF

FFECTED AREA WITH COLD OR

ICED WATER WILL BE HELPFUL IN REMOVING THE LAST TRACES OF SULFURIC ACID. CREAMS OR OINTMENTS SHOULD NOT BE APPLIED BEFORE OR DURING THE WASHING PHASE OF TREATMENT.

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

HCC:C1

Boiling Pt:B.P. Text:250F-529F

Melt/Freeze Pt:M.P/F.P Text:30F TO -21F

Vapor Pres:< 0.3

Vapor Density:3.4

Spec Gravity:1.380-1.835

pH:< 1

Evaporation Rate & Reference:< 1 (NO REFERENCE GIVEN)

Solubility in Water:COMP

LETE

Appearance and Odor:CLEAR LIQUID, NO ODOR

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

Stability Indicator/Materials to Avoid:YES

WATER, ALKALINE SOLUTIONS, METALS, METAL POWDER, CARBIDES, CHLORATES, FUMINATES, NITRATES, PICRATES, STRONG OXIDIZERS

Stability Condition to Avoid:MOISTURE

Hazardous Decomposition Products:OXIDES OF SULFUR AND HYDROGEN

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

Waste Disposal Methods:DISPOSAL SHOULD BE MADE

IN ACCORDANCE WITH ALL

APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.