

COLONIAL CHEMICAL CO -- BATTERY FLUID, ACID 10-47% -- 6810-00-249-9354

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Product Identification  
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Product ID: BATTERY FLUID, ACID 10-47%

MSDS Date: 11/21/1991

FSC: 6810

NIIN: 00-249-9354

MSDS Number: BSYJN

=== 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 P

hone Num: 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

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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: 10-47% %

Other REC Limits: NONE RECOMMENDED

OSHA PEL: 1 MG/M3

ACGIH TLV: 1 MG/M3; 9394

EPA Rpt Qty: 1000 LBS

DOT Rpt Qty: 1

000 LBS

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: BALANCE

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:ORAL LD50 = 2140 MG/KG (RATS)

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

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

Health Hazards Acute and Chronic:CAUSES SEVERE BURNS TO EYES, SKIN AND ALL BODY TISSUE. EYE DAMAGE MAY BE PERMANENT. DESTRUCTION OF TISSUE MAY RES

ULT FROM DIRECT CHEMICAL REACTION WITH TISSUE, FROM THERMAL BURNS AND FROM DEHYDRATION OF TISSUE. MAY CAUSE RESPIRATORY IRRITATION. INGESTION MAY CAUSE SEVERE BURNS TO THE MUCOUS MEMBRANES OF MOUTH, GI TRACT

Explanation of Carcinogenicity:THIS PRODUCT IS NOT LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN, MUTAGEN, TERATOGEN OR NEUROTOXIN.

Effects of Overexposure:SEVERE BURNS TO EYES/SKIN/BODY TISSUE. CORNEAL OR CONJUNCTIVAL ULCERATION, SKIN BURNS OR ULCERATION. BURNS TO THE

MUCOUS MEMBRANES OF THE MOUTH OR ESOPHAGUS. REPEATED OR PROLONGED CONTACT WITH MISTS C AN CAUSE EYE IRRITATION, TEARING, BLURRING OF VISION, IMPAIRED LUNG FUNCTION, POSSIBLE DISCOLORATION/EROSION OF TEETH.

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PREEXISTING DISEASES OF THE LUNGS MAY HAVE INCREASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURES.

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

First Aid:INHALATION: MOVE VICTIM TO FRESH

AIR. GIVE ARTIFICIAL

RESPIRATION ONLY IF BREATHING HAS STOPPED. GIVE CPR IF THER IS NO BREATHING AND NO PULSE. OBTAIN IMMEDIATE MECIAL ATTENTION.

INGESTION: DO NOT IND UCE VOMITING. GIVE LARGE QUANTITIES OF WATER. CALL PHYSICIAN. SKIN OR EYES: IMEEDIATELY FLUSH WITH COLD WATER FOR 15 MINUTES. CALL PHYSICIAN. APPLY COMPRESSES OF ICED WTER. DO NOT FREEZE TISSUE.

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

Flash Point:NONFLAMMABLE

Lower Limits:NOT

GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:NONFLAMMABLE. USE MEDIA SUITABLE FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL CONTAINERS. DO NOT GET WATER INSIDE BOTTLE

Fire Fighting Procedures:EVACUATE PERSONNEL TO A SAFE AREA. KEEP PERSONNEL REMOVED AND UPWIND OF FIRE. GENERATES HEAT UPON ADDITION OF WATER WITH POSSIBLE SPATTERING.

Unusual Fire/Explosion Hazard:WEAR FULL PROTECTIVE CLOTHING. RUNOFF FROM FIRE CONTROL MAY CAUSE POLLUTION. NEUTRALIZE RUNOFF WITH LIME, SODA

ASH, ETC. WEAR SELF CONTAINER BREATHING APPARATUS

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

Spill Release Procedures:STOP FLOW IF POSSIBLE. USE APPROPRIATE PROTECTIVE EQUIPMENT. SOAK UP SMALL SPILLS WITH DRY SAND, CLAY OR DIATOMACEOUS EARTH. DILUTE LARGE SPILLS AND NEUTRALIZE WITH LIME OR SODA ASH. COMPLY WITH REPORTING REQUIREMENTS.

Neutralizing Agent:LIME, SODA ASH

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

Handling and Storage

Precautions:KEEP OUT OF SUN AND AWAY FROM HEAT, SPARKS AND FLAME. KEEP CONTAINER TIGHTLY CLOSED TO PREVENT LEAKAGE. LOOSEN CLOSURE CAREFULLY TO RELIEVE PRESSURE.

Other Precautions:DO NOT USE PRESSURE TO EMPTY. DO NOT WASH OUT CONTAINER AND USE IT FOR OTHER PURPOSES. REPLACE CLOSURE AFTER EACH USE. ALWAYS ADD ACID TO WATER; NOT WATER TO ACID.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH RESPIRATOR SELECTION.

Ventilation:GOOD GENERAL VENTILATION TO KEEP VAPOR AND MIST CONCENTRATIONS BELOW EXPOSURE LIMITS.

Protective Gloves:ACID-PROOF GAUNTLET GLOVES

Eye Protection:CHEMICAL SPLASH GOGGLES & FACE SHIELD

Other Protective Equipment:APRON, BOOTS, LONG SLEEVED WOOL, ACRYLIC OR POLYESTER CLOTHING, ACID PROOF SUIT AND HOOD

Work Hygienic Practices

es:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT  
AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health

NOTE TO PHYSICIAN: CONTINUED WASHING OF THE AFFECTED AREA WITH COLD  
WATER 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:210F-250F

Melt/Freeze P

t:M.P/F.P Text:25F - -37F

Vapor Pres:< 0.3

Vapor Density:3.4

Spec Gravity:1.074-1.370

pH:< 1

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

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR, COLORLESS 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:MOI

STURE

Hazardous Decomposition Products:RELEASES SULFUR DIOXIDE AT EXTREMELY  
HIGH TEMPERATURES.

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING  
ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR  
LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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