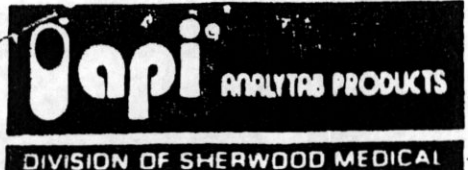


Lab



200 Express Street,
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ADDITIONAL INFORMATION PHONE NO.
(800) 645-7034

MATERIAL SAFETY DATA SHEET

Page 1 of 3

DATE OF ISSUE: 12/20/85
REPLACES ISSUE DATE: 9/19/84
APPROVED BY: [Signature]

SECTION I: PRODUCT IDENTIFICATION

PRODUCT LABEL NAME: 0.8% Sulfanilic Acid

SECTION II: HAZARDOUS INGREDIENTS

CHEMICAL NAME	COMMON NAMES	% IN PRODUCT	CAS #
Sulfanilic Acid	4-Aminobenzenesulfonic Acid	0.8%	121-57-3
5N Acetic Acid	Same	99.2%	64-19-7

SECTION III: PRECAUTIONS FOR HANDLING AND USE OF THE PRODUCT

A. SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Flush the contaminated area with copious amounts of water. Absorb diluted spill with rags or other available absorbing material.

Waste Disposal Method:

Dispose of in accordance with Federal, State and Local Regulations.

B. SPECIAL PROTECTION INFORMATION

Respiratory Protection: (Specify type) NONE

Ventilation: Local Exhaust _____ Mechanical _____ NONE

Other Protective Equipment: Gloves X Eyes X Other _____

C. SPECIAL PRECAUTIONS

Recommended Storage Conditions: Store at room temperature (15-30C)

SECTION IV: HAZARDOUS INGREDIENT INFORMATION

HAZARDOUS INGREDIENT: Acetic Acid RTECS #: AF 1225000DOT CLASSIFICATION: Corrosive Material CAS: 64-19-7A. PHYSICAL/CHEMICAL DATA C₂H₄O₂Molecular Formula: C₂H₄O₂Molecular Weight: 60.06Boiling Point: 118CMelting Point: 16.7CVapor Pressure (mm Hg): 11.4 @ 20CVolatile by Volume (%): 100Vapor Density (air = 1): 2.1Evaporation Rate (a = 1): 0.97Solubility in Water: infinitely solubleSpecific Gravity (H₂O = 1): 1.05Appearance: Clear, colorless liquid

a = n butyl acetate

B. FIRE AND EXPLOSION HAZARD DATA

Flash Point (°F): 106Method Used: closed cupFlammable Limits: Lower 5.4%Upper 16.0%Extinguishing Media: CO₂, dry chemical, alcohol foamSpecial Fire Fighting Procedures: Wear self-contained breathing apparatusUnusual Fire and Explosion Hazards: When heated to decomposition, emits toxic fumes.

C. REACTIVITY DATA

Stability: Stable X Unstable Conditions to Avoid: heat and decompositionIncompatibility (Materials to Avoid): Alkalies, amines and strong oxidizersHazardous Polymerization: May Occur Will Not Occur XHazardous Decomposition Products and Conditions: Combustion will produce CO₂ and CO

D. HEALTH HAZARD DATA

CARCINOGEN: Yes No X Potential Source: NTP Annual Report IARC Monographs OSHA XOther (Specify) NIOSH

Threshold Limit Value or Permissible Exposure Level:

TLV/TWA = 10ppmPEL = Source: OSHA ACGIH X Other (Specify) Effects of Exposure: Liquid - burns to eyes and skin; vapors - irritating to eyes, nose, throat and lungs.Primary Route(s) of Entry: inhalation, skin and eyes.Toxicity Data: skn-hmn 50 mg/24H orL-hmn TDLo: 1470 ug/kg; ihl-hmn TCLO: 816ppm/3 Min.
unk-man LDLo: 308mg/kgEmergency/First Aid Procedures: Liquid - Flush skin and eyes with water for at least 15 minutes. Call a physician.Ingestion - Do not induce vomiting; if patient is conscious give water, milk or milk of magnesia. Call a physician.Inhalation - Remove to fresh air, give CPR if not breathing. Call a physician.

SECTION IV: HAZARDOUS INGREDIENT INFORMATION

HAZARDOUS INGREDIENT: Sulfanilic AcidDOT CLASSIFICATION: CORROSIVECAS: 121-57-3A. PHYSICAL/CHEMICAL DATA NH₂C₆H₄SO₃H · H₂OMolecular Formula: NAIFMolecular Weight: 191Boiling Point: NAIFMelting Point: 288° C (Decomposes)Vapor Pressure (mm Hg): NAIFVolatile by Volume (%): NAIFVapor Density (air = 1): NAIFEvaporation Rate (air = 1): NAIFSolubility in Water: 1%Specific Gravity (H₂O = 1): unknownAppearance: white crystals

B. FIRE AND EXPLOSION HAZARD DATA

Flash Point (° F): NAIFMethod Used: NAIFFlammable Limits: Lower NAIFUpper NAIFExtinguishing Media: Water, CO₂, dry chemicalSpecial Fire Fighting Procedures: Wear self contained breathing apparatus. When heated to decomposition, emits toxic fumes of NO_x and SO_x.Unusual Fire and Explosion Hazards: On contact with acid emits highly toxic fumes of NO_x and SO_x.

C. REACTIVITY DATA

Stability: Stable X Unstable Conditions to Avoid: NAIFIncompatibility (Materials to Avoid): AcidsHazardous Polymerization: May Occur Will Not Occur XHazardous Decomposition Products and Conditions: When heated to decomposition, emits toxic fumes of NO_x and SO_x.

D. HEALTH HAZARD DATA

CARCINOGEN: Yes No X Potential Source: NTP Annual Report IARC Monographs OSHA Other (Specify) NIOSH

Threshold Limit Value or Permissible Exposure Level:

TLV/TWA = none listed PEL = Source: OSHA ACGIH Other (Specify) vendor MSDSEffects of Exposure: Corrosive material - could act as irritant to the nose, throat and mucous membranes.Primary Route(s) of Entry: skin, inhalation, ingestion, eyesToxicity Data: NAIFEmergency/First Aid Procedures: Eyes & Skin: Wash area for at least 15 minutes with water. Consult physician.Ingestion: Rinse out mouth; give 2 glasses of water by mouth; induce vomiting; seek medical help.

a = no applicable information found