

MATERIAL SAFETY DATA SHEET

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PRODUCT NAME: ACETIC RINSE SOLUTION
OTHER NAME: CC-80xx
DISTRIBUTED BY: CALTECH TECH SERVICES

CODE: G503

WHMIS CLASSIFICATION: E; B3
TDG CLASSIFICATION: ACETIC ACID SOLUTION; Class 8; UN 2790; PG III

HAZARDOUS INGREDIENTS	%WT/WT	CAS NO.	TOXICITY DATA (LD₅₀ & LC₅₀)
Acetic Acid Glacial	25	64-19-7	LD ₅₀ Oral (rat) 33.1 g/kg ACGIH TLV - 10 ppm LC _{Lo} (rat) 16000 ppm (4 hrs) LD ₅₀ Dermal (rabbit) 1060 mg/kg LC ₅₀ Inhalation (mouse) 2810 ppm (4 hrs.)

PHYSICAL DATA FOR PRODUCT

Physical State: Liquid
Boiling Range: 110°C - 118°C
Vapour Density: 2.07 (Air=1)
Freezing Point: 16°C
Solubility in Water: 100 %
Appearance & Odour: Slightly hazy liquid with strong vinegar type odour.

Sp. Gravity: 1.012
Vapour Pressure: 11.7 mm Hg @ 20°C
pH: Acidic 2 - 3
Evaporation Rate: (Butyl Acetate = 1.0)

FIRE AND EXPLOSION DATA FOR PRODUCT

Flash Point (Test Method): 39°C
Flammable Limits in Air, % by vol. Lower: 5.3 Upper: 18
Fire Extinguishing Substances: (X) Water Fog () Foam (X) CO₂
() Dry Chem () Other:
Hazardous Combustion Products: May produce carbon monoxide and carbon dioxide.

Special Firefighting Procedures: Wear self-contained breathing apparatus and complete personal protective equipment.

REACTIVITY DATA FOR PRODUCT

Incompatibility: () Water (X) Oxidizing Material () Acid (X) Base
(X) Other: Carbonates, hydroxides, many oxides and phosphates, etc.
Hazardous Decomposition Products: None.

Chemical Stability: Stable.

*N/A - Not applicable.

Product Name: **ACETIC RINSE SOLUTION**

HEALTH HAZARD INFORMATION FOR PRODUCT

EMERGENCY and FIRST AID PROCEDURES

Inhalation: Move to fresh air. If breathing is difficult or discomfort persists, obtain medical attention.

Ingestion: Do not induce vomiting. Rinse mouth with water. Give large amounts of water to cause dilution in stomach.

Eyes: Flush with plenty of water for at least 15 minutes. If irritation persists, get medical attention.

Skin: Flush with plenty of water. If irritation persists, get medical attention.

EFFECTS OF OVEREXPOSURE (Acute and Chronic)

Inhalation: Irritant, chronic exposure may cause bronchitis.

Ingestion: May cause corrosion of mouth and gastrointestinal tract with vomiting, diarrhea or circulatory collapse.

Eyes: Severe irritant. Chemical burn likely.

Skin: Will cause irritation to skin.

PREVENTIVE MEASURES

Steps to be taken upon release or spillage (including neutralizing):

Dike and salvage or neutralize with soda ash or lime. Small spills can be flushed with water.

Waste disposal method:

Neutralized acid can be flushed with water.

Handling and Storage Requirements:

Keep container closed when not in use. Freezes at temperature above 0°C.

Use with adequate ventilation. Wash with soap and water after handling.

Ventilation Requirements (Local or General):

Use under well ventilated area.

Respiratory Protection:

A mask should be worn.

Eye Protection:

Safety glasses with sideshield.

Other Protection:

Rubber gloves and coveralls should be worn.