

The Butler Corporation

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HAZARD RATING HMIS

Health = 1, Flammability = 0, Reactivity = 0
 (Index: 4 = very high, 3 = high, 2 = moderate
 1 = slight, 0 = insignificant)

Material Safety Data Sheet**I. General Information**

Trade Name & Synonym Acetic Acid	Chemical Family Acid/Surfactant	
Chemical Name & Synonym Mixture	Date prepared Jan. 1996	Prepared by Aziz Ullah Ph.D.

II. Ingredients

Water, Acetic acid, Surfactants.

III. Physical Properties**Boiling Point**

Approx 212° F

Specific Gravity(Water = 1)

1.025

Vapor Pressure(mm Hg.)

ND

Melting Point

Approx 32° F

Vapor Density(AIR = 1)

>1

Evaporation Rate (Butyl Acetate = 1)

>1

Solubility in Water

Soluble

Appearance and odor

Water white liquid/vinegar odor

pH (Liquid as is)

2.5-3.5

IV. Fire and Explosion Hazard Data**Flash Point (TOC)**

NA

Flammable Limits

NA

LEL**UEL**

NA

Extinguishing Media

Foam, CO₂, Dry Chemical, Water Fog

Special Fire Fighting Procedures

Usual Fire fighting procedures can be used

Unusual Fire and Explosion Hazards

None Known

V. Reactivity Data**Stability**

Unstable

Conditions to avoid

alkaline materials

Stable

X

Incompatibility (Materials to avoid)

oxidizing agents

Hazard Decomposition or Byproducts

When exposed to fire emits normal products of combustion like Carbon dioxide, water.

Hazardous

May occur

Conditions to avoid**Polymerization**

Will not occur

X

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VI. Health Hazard Data

Routes of Entry	Inhalation	Skin	Ingestion	Eyes
	No	No	No	Yes

Health Hazards

Misting may cause some irritation to eyes and throat

Signs and Symptoms of Exposure

Irritation discomfort

Medical Conditions Aggravated by Exposure

None known

Emergency and First Aid Procedures

If contacted flush Thoroughly with water If irritation persists see physician if ingested drink milk or water see physician

VII. Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

Flush with water, (Non-Hazardous waste)

Waste Disposal Method

Check with federal state or local regulations, waste may be discharged into sanitary sewer as non -hazardous waste if regulations permit

Precautions to be taken in Handling and Storing

Store in a cool place, Avoid breathing vapor keep away from eyes and repeated or prolonged contact with skin

Other Precautions

NA

VIII. Control Measures

Respiratory Protection

None normally required

Ventilation

None normally required

Local Exhaust

Special

Mechanical

X

Other

Protective Gloves

For repeated contact impermeable gloves suggested

Eye Protection

Monogoggles suggested

Other Protective Clothing or Equipment

Not normally required

Work/Hygienic Practices

Wash after handling Keep out of reach of children

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