

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 Neutral detergent		Chemical Family Surfactant mixture
Chemical Name & Synonym Mixture	Date prepared Jan. 1996	Prepared by Aziz Ullah Ph.D.

II. IngredientsWater, Surfactants.**III. Physical Properties****Boiling Point**

Approx. 212° F

Specific Gravity(Water = 1)

1.01

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

pH (Liquid as is)

6-8

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

NA

Flammable Limits

NA

LEL**UEL**

NA

Extinguishing MediaFoam, 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

Stable

X

Incompatibility (Materials to avoid)

Strong 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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