

**The Butler Corporation**

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**HAZARD RATING HMIS**

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

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

<b>Trade Name &amp; Synonym</b> Upholstery Pretreatment	<b>Chemical Family</b> Surfactant/Biodegradable solvents	
<b>Chemical Name &amp; Synonym</b> Mixture	<b>Date prepared</b> Feb. 1995	<b>Prepared by</b> Aziz Ullah Ph.D.

**II. Ingredients**

Water, Glycol Ethers, Citrus Solvent, Surfactants

**III. Physical Properties****Boiling Point**

<212°F

**Specific Gravity(Water=1)**

0.98

**Vapor Pressure(mm Hg.)**

ND

**Melting Point**

ND < 32°F

**Vapor Density(AIR=1)**

>1

**Evaporation Rate (Butyl Acetate=1)**

>1

**Solubility in Water**

Soluble (forms white emulsion)

**Appearance and odor**

red violet liquid with Citrus/ odor

**pH (Liquid as is)**

6-8

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

170°F (Combustible in undiluted form)

**Flammable Limits**

ND

**LEL**

ND

**UEL**

ND

**Extinguishing Media**

Foam, CO<sub>2</sub>, 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

**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
	Yes	Yes	No	Yes

**Health Hazards**

Direct contact of product with eyes can cause irritation, prolonged or repeated contact with skin may irritate

**Signs and Symptoms of Exposure**

Irritation, discomfort

**Medical Conditions Aggravated by Exposure**

None known

**Emergency and First Aid Procedures**

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 or flush down sewer if permitted by federal, state or local regulations.

**Waste Disposal Method**

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

**Precautions to be taken in Handling and Storing**

Keep away from heat, keep away from eyes and repeated or prolonged contact with skin

**Other Precautions**

NA

**VIII. Control Measures**

**Respiratory Protection**

Air circulation, If unavailable use Respirator

Ventilation	Yes	Local Exhaust	Yes	Special
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Provide ventilation

Mechanical	Yes	Other
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**Protective Gloves**

For repeated contact impermeable gloves suggested

**Eye Protection**

Monogoggles suggested

**Other Protective Clothing or Equipment**

NA

**Work/Hygienic Practices**

Wash after handling Keep out of reach of children

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