

**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**

<b>Trade Name &amp; Synonym</b> Truckmount Detergent For Wool	<b>Chemical Family</b> Surfactant/detergent	
<b>Chemical Name &amp; Synonym</b> Mixture	<b>Date prepared</b> Feb. 1995	<b>Prepared by</b> Aziz Ullah Ph.D.

**II. Ingredients**

Water, Sodium Silicate, Biodegradable anionic and non-ionic surfactants citrus oils, EDTA, or Sodium Citrate

**III. Physical Properties**

<b>Boiling Point</b> Approx 212°F	<b>Specific Gravity (Water = 1)</b> 1.1
<b>Vapor Pressure (mm Hg.)</b> ND	<b>Melting Point</b> Below 32°F
<b>Vapor Density (AIR = 1)</b> >1	<b>Evaporation Rate (Butyl Acetate = 1)</b> >1
<b>Solubility in Water</b> Soluble	<b>Appearance and odor</b> very light yellow liquid with citrus odor
<b>pH (Liquid as is)</b> 7-9	

**IV. Fire and Explosion Hazard Data**

<b>Flash Point (TOC)</b> Over 200°F	<b>Flammable Limits</b>	<b>LEL</b> NA	<b>UEL</b> NA
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**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**

<b>Stability</b>	Unstable	<b>Conditions to avoid</b>
	Stable X	

**Incompatibility (Materials to avoid)**

Acids, 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**

<b>Routes of Entry</b>	<b>Inhalation</b>	<b>Skin</b>	<b>Ingestion</b>	<b>Eyes</b>
	No	No	YES	Yes

**Health Hazards**

Direct contact of product with eyes can cause severe irritation, product can cause discomfort if taken internally

**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, ( 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**

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

**Other Precautions**

NA

**VIII. Control Measures**

**Respiratory Protection**

General room ventilation is adequate

<b>Ventilation</b>	<b>Local Exhaust</b>	<b>Special</b>
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Not normally required

<b>Mechanical</b>	<b>Other</b>
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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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