

**The Butler Corporation**

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**HAZARD RATING HMIS**

Health = 1-2, 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> Traffic Lane Cleaner	<b>Chemical Family</b> Surfactant/detergent	
<b>Chemical Name &amp; Synonym</b> Mixture	<b>Date prepared</b> Oct. 1994	<b>Prepared by</b> Aziz Ullah Ph.D.

**II. Ingredients**

Water, Sodium Silicate, Glycol Ethers 2-8%, Biodegradable anionic and non-ionic surfactants

**III. Physical Properties**

<b>Boiling Point</b> Approx. 212°F	<b>Specific Gravity(Water = 1)</b> About 0.95
<b>Vapor Pressure(mm Hg.)</b> ND	<b>Melting Point</b> ND
<b>Vapor Density(AIR = 1)</b> > 1	<b>Evaporation Rate (Butyl Acetate = 1)</b> >1
<b>Solubility in Water</b> Complete	<b>Appearance and odor</b> Blue colored liquid with low citrus solvent odor
<b>pH( Liquid as is)</b> 11.5-12	

**IV. Fire and Explosion Hazard Data**

<b>Flash Point (TOC)</b> Over 200°F	<b>Flammable Limits</b> ND	<b>LEL</b>	<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	Conditions to avoid
	Stable	
	X	
<b>Incompatibility (Materials to avoid)</b>		
Acids		
<b>Hazard Decomposition or Byproducts</b>		
When Exposed to fire emits normal products of combustion		
<b>Hazardous</b>	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>
	Yes	Yes	No	Yes

**Health Hazards**

Due to high pH and presence of glycol ethers there is possibility corrosive damage to eyes ore internal organs- if ingested

**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**

For small spills flush with water, for larger spills take up in absorbent material and containerize( 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

**Ventilation**

**Local Exhaust**

**Special**

Not normally required

**Mechanical**

**Other**

**Protective Gloves**

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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