

MATERIAL SAFETY DATA SHEET

Section I - Source Information

Manufacturer's Name: Michigan State Industries, Inc.
 Address: Ryan Correctional Facility
 Emergency Phone: (313) 368-3200 x51412
 (800) 222-1222 Poison Control
 Technical Information: (313) 368-3200 x51412
 Chemical Name: Disinfectant

Section II - Hazardous Ingredients/Identify Information

Hazardous Components	CAS No.	OSHA PEL*	ACGIH TLV*
Ethyl Alcohol		64-17-5	1000 ppm
Sodium Tripolyphosphate		13573-18-7	Not established
Sodium Carbonate		497-19-8	Not established
Lauryl dimethyl amine oxide		1643-20-5	Not established

*Exposure limits expressed as eight-hour time-weighted average concentrations in parts of contaminant per million parts of air by volume(ppm). "Other Limits" are recommended by the National Institute for Occupational Safety and Health (NIOSH) and are time-weighted over ten hours unless otherwise specified.

Section III - Physical/Chemical Characteristics

<u>Boiling Point:</u>	212 °F	<u>Specific Gravity:</u>	1.03
<u>Vapor Pressure:</u>	N/A	<u>Vapor Density:</u>	N/A
<u>Evaporation Rate: (Butyl Acetate = 1):</u>	<1.0	<u>pH:</u>	12.0
<u>Solubility in Water:</u>	100 %		
<u>Appearance and Color:</u>	Yellow liquid with pine odor		

Section IV- Fire and Explosion Hazard Data:

Flash Point: >200 °F Flammable Limits: LEL: N/A UEL: N/A

Extinguishing Media: Water spray, dry chemical, foam

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.

Unusual Fire and Explosion Hazards: High heat can produce toxic vapors including carbon monoxide, carbon dioxide, oxides of nitrogen.

NFPA 704

Health -	1	HAZARDS 4 - Extreme 3 - Severe 2 - Moderate 1 - Slight 0 - None
Fire -	1	
Reactivity-	1	

Section V - Reactivity Data:

Stability: STABLE

Incompatibility (Conditions to avoid): Strong oxidizers, ammonia, surfactants. Avoid contact with aluminum, brass, copper, black iron or steel.

Hazardous Polymerization: None known

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide, oxides of nitrogen

Section VI - Health Hazard Data:

Routes of Entry: Contact, ingestion, inhalation

Health Hazards:

Target Organs: Eyes, skin, respiratory system

Carcinogenicity: NTP: No IARC: No OSHA: No

Signs and Symptoms of Exposure: Dizziness, irritation

Emergency and First Aid Procedures:

Eye: If this product contacts the eyes, immediately wash the eyes with large amounts of water, occasionally lifting the lower and upper lids. Get medical attention immediately.

Swallow: If this product has been swallowed, get medical attention immediately.

Skin: If this product contacts the skin, flush the contaminated skin with water promptly. If this product penetrates the clothing, immediately remove the clothing and flush the skin with water promptly. If irritation persists after washing, get medical attention.

Breathing: If a person breathes large amounts of this product, move the exposed person to fresh air at once. Other measures are usually unnecessary.

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case of Material Release or Spill: If small spill flush to sanitary sewer drain with large amounts of water. For large spills contain, absorb, collect and dispose.

Waste Disposal Method: This product is not listed in the federal hazardous waste regulations 40CFR 261.33, paragraphs (e) or (f), i.e. chemical products that are considered hazardous if they become wastes. It does not exhibit any of the hazardous characteristics listed in 40CFR 261, Subpart C. State or local hazardous waste regulations may apply if different from federal.

Precautions to Take in Handling and Storing: Store at temperatures between 50-120°F

Other Precautions:

Section VIII - Control Measures:

Respiratory Protection: Not required during normal use of product,

Ventilation: Use adequate ventilation to remain below TLV.

Protective Gloves: Chemically resistant gloves

Eye Protection: Wear appropriate glasses, goggles or face shield to prevent eye contact.

Other Protective Clothing or Equipment: Apron to prevent contact with work clothes

Work/Hygienic Practices:

Trade Name: Pine Odor Disinfectant #8755

Prepared: August 24, 2000

Revised: March 5, 2004

Section IX-Additional Information:

DOT Shipping Name: N/A

Hazard Class: N/A

This product contains the following compounds which are subject to the reporting requirements of Section 313 of Title III of SARA and 40 CFR 372:

<u>Constituent</u>	<u>CAS #</u>	<u>Concentration</u>
NONE		

This notification of reporting requirements, cannot be removed from this MSDS and the copying and redistribution of this document must include this notice.

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originated with Michigan State Industries, Inc. or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.