

Boston Cleaning Company  
165F New Boston Street  
Woburn, MA 01801  
781-938-6688

HAZARD RATING		
HMIS	HAZARD	NFPA
2	Health	2
0	Flammability	0
0	Reactivity	0

**MATERIAL SAFETY DATA SHEET**

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PINE CLEANER

**SECTION I PRODUCT IDENTIFICATION**

**Product Trade Name:** Pine Cleaner  
**Distributed By:** Boston Cleaning Company  
**Effective Date:** January, 1997  
**Chemical Names and Synonyms:** n/a (Blended)

**SECTION II HAZARDOUS INGREDIENTS**

	%Concentration	Exposure Limit/Toxicity
Ethylene Glycol Monobutyl Ether (CAS# 111-76-2)	3-7	25ppm ACGIH/OSHA TWA (skin) LD50: 560 3000 mg/kg (oral-rat) LC50: 500 ppm (inhalation-rat) 4 hrs.
Alkylphenol Ethoxylate (CAS# 9016-45-9)	4-8	Not est. LD50:2000-5000 mg/kg(oral-rat)
Pine Oil (CAS# 8002-09-3)	3-6	Not est. LD50: 2700 mg/kg (oral-rat) LC50: not determined

**SECTION III PHYSICAL DATA**

**Boiling Point (oF):** 212  
**Specific Gravity:** 1.078  
**Vapor Pressure:** = to water  
**% volatiles by weight:** n/a  
**Vapor Density:** = to water  
**Evaporation Rate:** = to water  
**Appearance:** Green  
**Odor:** Pine

**SECTION IV FIRE AND EXPLOSION DATA**

**Flash Point (o F):** None to boiling  
**Flammable Limits:** N/A  
**Extinguishing Media:** n/a  
**Unusual Fire and Explosion Hazards:** None

**SECTION V HEALTH HAZARD DATA**

**Threshold Limit Value:** not est.  
**Effects of Overexposure:** May cause irritation to skin and eyes  
**EMERGENCY AND FIRST AID PROCEDURES**  
**FOR SKIN:** Wash affected area with water. If irritation develops, get medical attention.  
**FOR EYES:** Flush with water for at least 15 minutes. If irritation persists, get medical aid.  
**IF INGESTED: DO NOT INDUCE VOMITING.** Give milk, egg whites, gelatin, or if none of these available, water. Get medical aid.  
**INHALATION:** Not considered a hazardous route of exposure.

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**SECTION VI REACTIVITY DATA**

**Stability:** Stable  
**Conditions to Avoid:** None  
**Incompatibility:** Strong acids and oxidizers  
**Hazardous Polymerization:** Will not occur  
**Hazardous Decomposition Products:** None

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### **SECTION VII SPILL OR LEAK PROCEDURES**

**Steps To Be Taken In Case Material is Released Or Spilled:** Halt spill at source and contain or dike spill with inert absorbent material. Transfer liquid to containers for recovery or disposal. Shovel absorbent into drums for disposal in accordance with local, state, and federal regulations.

**Recommended Waste Disposal Methods:** Material should not be flushed into sewer system. If this product becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261, since it has neither the characteristics of Subpart C nor is listed in Subpart D. After the material has been collected, dispose of in accordance with all regulations applicable to non-hazardous liquid wastes.

### **SECTION VII SPECIAL PROTECTION INFORMATION**

**Respiratory Protection:** Not required

**Ventilation:** Local

**Protective Gloves:** Rubber or latex gloves recommended

**Eye Protections:** Safety glasses recommended

**Other Protective Equipment:** None required

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### **SECTION VIII STORAGE AND HANDLING PROCEDURES**

**Precautions To Be Taken In Handling And Storage:** Store at 34 degrees F to 120 degrees F. This product is for Industrial Use only. Keep away from Fire and Heat (Any ignition source). Keep containers closed when not in use. Provide adequate ventilation.

**Boston Cleaning Company** cannot anticipate all conditions of handling and use of this product. Therefore, **Boston Cleaning Company** accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products.

It is the responsibility of the user to provide a safe workplace, using the health and safety information obtained herein as a guide. **Boston Cleaning Company** will accept no liability for damage or loss incurred from the improper handling and use of this product.

1/97

Revised February, 05