

# MSDS

Material Safety Data Sheet 4042  
Conforms to ANSI Z-400.1-1993

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## 1 Chemical Product and Company Identification

**Product:**Pine Cleaner

**Classification:** Cleaner

C10

## 2 Composition/Information on Hazardous Ingredients

Material	CAS#	%	OSHA(PEL)	TLV(ppm)	Other
2-Butoxyethanol*	111-76-2	<5	50 ppm	25 ppm	N/A

## 3 Hazards Identification

**Emergency Overview:** Irritant. May cause skin and eye irritation. Avoid contact with skin and eyes.

**WARNING**

**Contact with Eyes:** May cause moderate irritation, redness, tearing and possible burns, depending on length of contact.

**Contact with Skin:** Prolonged or repeated contact may cause irritation and drying of skin.

**Skin Absorption:** No data.

**Ingestion Symptoms:** Irritation, nausea, vomiting and diarrhea.

**Inhalation Symptoms:** Mild nasal and respiratory irritation with prolonged or repeated contact.

**Chronic Effects:** No data.

It is important to determine whether exposure is to concentrated or dilute product. The information in this document is intended to deal with exposure to concentrated product. Generally, exposure to diluted product will result in substantially less risk of injury than described herein.

## 4 First Aid Measures

**Eyes:** If eyes are contacted, flush with water for 15 minutes. If irritation persists seek medical attention.

**Skin:** If skin is contacted, wash affected area with soap and water. If irritation persists, seek medical attention.

**Inhalation:** If discomfort is experienced after prolonged exposure to mists/vapors, remove to fresh air. If breathing is difficult, give oxygen and seek medical attention.

**Ingestion:** If ingested, do NOT induce vomiting. Give moderate amounts of water to wash out mouth area and dilute remaining residue. Seek medical attention.

## 5 Fire Fighting Measures

**Flash Point(F° TCC):** >150°F

**Flammable Limits:** LEL No Data

**UEL** No Data

**Auto Ignition Temperature:** No Data

**Extinguishing Media:** Water Spray, Foam, Carbon Dioxide, Dry Chemical

### Special Fire Fighting Procedures:

Firefighters should wear a positive pressure NIOSH approved self-contained breathing apparatus.

### Unusual Fire and Explosion Hazards:

Containers exposed to heat from fires should be cooled with water fog to prevent container rupture.

## 6 Accidental Release Measures

### Large Spills (55 gallons or more):

Eliminate all ignition sources and evacuate non-essential personnel. Wear protective clothing and rubber boots. Shut off source of leak if safe to do so. Dike and contain. Pump, vacuum or scoop into salvage drum or container for disposal.

### Small Spills:

Mop up spill and rinse area.

## 7 Handling and Storage

**Handling:** Keep out of reach of children. Follow appropriate hygiene practices.

**Storage:** Store in a cool, dry place.

## 8 Exposure Controls/Personal Protection

### Ventilation and Engineering Controls:

Local exhaust

### Respiratory Protection:

If used according to directions respirator not required.

### Protective Gloves:

Rubber Gloves

### Eye Protection:

Chemical Splash Goggles

### Other Protective Equipment:

## 9 Physical and Chemical Properties

<b>Boiling Point(F°)</b> >200°F	<b>Solubility in Water</b> Complete	<b>Odor:</b> Pine
<b>Specific Gravity:</b> 1.0	<b>Volatiles(% by Wt.)</b> 96	<b>pH:</b> 11.5 - 12
<b>Appearance:</b> Green	<b>Vapor Density:</b> >1	<b>VOC:</b> <50 g/L
<b>Evaporation Rate:</b> <1	<b>Vapor Pressure:</b> <17 mm Hg	<b>Freezing Point(F°)</b> ≥35°F

> means less than      < means greater than

These physical data are typical values based on material tested but may vary from sample to sample.  
Typical values should not be construed as a guaranteed analysis of any specific lot or as specific items.

## 10 Stability and Reactivity

**Stability:** Stable      **Conditions to Avoid:** Heat, Open Flame

**Materials to Avoid:** Strong Oxidizers

### Hazardous Decomposition Products:

Carbon oxides

### Hazardous Polymerization:

Will Not Occur

## 11 Toxicological Information

No Toxicology Information is available.

## 12 Ecological Information

No data available.

## 13 Disposal Considerations

### Waste Disposal Method:

Dispose of waste in accordance with federal, state and local regulations

## 14 Transport Information

<b>HAZMAT:</b> No	<b>Hazard Code:</b> N/A	<b>ID Number:</b> N/A	<b>Hazard Class:</b> N/A
<b>Hazardous Division:</b> None		<b>Packaging Group:</b> N/A	
<b>Hazardous Contents:</b> None			

## 15 Regulatory Information

**Proposition 65:** Not Listed.

**EPA:** No

## 16 Other Information

**HMIS/NFPA Hazard Rating:** Health  Flammability  Reactivity

The information contained herein is based on the data available to us. It is believed to be correct. No warranty, expressed or implied, is made regarding the accuracy of this data or the results to be obtained from the use thereof. For further information consult distributor, Brady Industries, HQ

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