

DESCRIPTION

Pin-O-Lux is a combination of fast acting detergents and pine oil for cleaning and deodorizing all hard surfaces that are not adversely effected by water.

Pin-O-Lux will clean the most stubborn dirt and leave the area with a clean fresh odor.

SPECIAL INFORMATION

Pin-O-Lux is a Canadian Food Inspection Agency (CFIA) approved product for use in registered food processing plants. Surfaces in direct food contact must be rinsed with potable water.

DIRECTIONS

For floors and walls:

When mopping or scrubbing - use 1 to 5 oz of product per gallon of water (8 to 40 ml/litre)(1:128 to 1:25).

For boiling clothing and linen in sick rooms:

Use up to 1.5 oz of product per gallon of water (10 ml/litre)(1:100).

For Urinals, Garbage cans and Bath tubs:

Use 3 oz of product per gallon of water (24 ml/litre)(1:40). Apply freely to all surfaces to be cleaned and flush drainpipes with the solution to deodorize.

For Sanitizing:

Pin-O-Lux has mild disinfecting properties but for a true germicidal disinfectant cleaner for such uses as sick rooms, footbaths, around locker rooms, gymnasiums, and swimming pools - use one of our government approved germicides.

Surfaces subject to direct food contact should be adequately rinsed with potable water.

PHYSICAL DATA

Appearance	Clear liquid
Color	Tan
Foam	High
Odor	Pine
pH	8.0 - 9.5

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **PIN-O-LUX**

WHMIS CODE: B2, D2B
 Proper Shipping Name: FLAMMABLE LIQUID, N.O.S.
 (isopropyl alcohol)
 Hazard Class: Class 3, P.G. III
 UN Number: UN 1993 (Ltd. Qty)

HMIS	
1	Health
2	Flammability
0	Reactivity
B	Personal

Product Use: *Pine cleaner.*

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EMERGENCY PHONE
 Canada: Canutec 613-996-6666
 U.S.A.: Chemtrec 800-424-9300

A=Goggles, B=Goggles & Gloves
 C=Goggles, Gloves and Apron

ABBREVIATION KEY: N/A=Not Applicable, N/E=Not Established, N/D=Not Determined, > =Greater Than

SECTION 2 – HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS NO.	RANGE %	PEL	TLV
HEXYLENE GLYCOL	107-41-5	1.0-5.0	25 ppm	25 ppm
LD50	3700 mg/kg			
LD50	8650 mg/kg (Rabbit)			
LC50	N/A			
ISOPROPYL ALCOHOL	67-63-0	1.0-10.0	No Data	400 ppm
Exposure limit skin: 25 ppm				
The above item is reported per 40 CFR 372, Section 313 of Emergency Planning and Community Right to Know Act of 1986				
LD50	5045 mg/kg			
LD50	12,800 ml/kg (Rabbit)			
LC50	N/D			
PINE OIL	8002-09-3	1.0-5.0	N/A	N/A
LD50	Not Established			
LD50	Not Established			
LC50	N/A			
DIPROPYLENE GLYCOL METHYL ETHER	34590-94-8	1.0-5.0	100 ppm	100 ppm
LD50	5135 mg/kg			
LD50	9500 mg/kg (Rabbit)			
LC50	N/A			
ALCOHOL ETHOXYLATE	68439-46-3	1.0-5.0	N/A	N/A
LD50 (oral rat)	1376 mg/kg			
LD50 (dermal rabbit)	>2 g/kg			

SECTION 3 – PHYSICAL DATA

Color and Odor: Yellowish/green, pine odor. **Boiling Point:** N/D **Vapor Pressure (mm HG):** N/D **pH:** 8.0 – 9.5
Physical State: Liquid. **Melting Point:** N/A **Vapor Density:** N/D **Specific Gravity:** 0.99 @ 20°C
Coef. Water/Oil Dist: Greater than 1.0 **Evaporation Rate:** N/D **Solubility in Water:** Soluble **Odor Threshold:** No Data

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: 23-61°C (73-142°F) (Flashpoint-Seta cc – ASTM D3828)
Sensitivity to Mechanical Impact: None. **Flammable Limits:** N/D.
Extinguishing Media: Water, dry chemical or alcohol foam, carbon dioxide. Use extinguishing medias suitable for surrounding areas.
Sensitivity to Static Discharge: N/D. **Auto ignition Temperature:** N/D.
Conditions of Flammability: N/D.
Unusual Fire and Explosion Hazards: Prolonged contact with reactive metals (i.e. aluminum, tin, zinc, etc.) may form flammable and explosive hydrogen gas in confined areas.
Hazardous Combustion Products: Decomposition may produce oxides of carbon.
Special Fire Fighting: Wear full protective equipment, including a NIOSH/MSHA approved, self-contained breathing apparatus (SCBA) for large fires. For small fires, which may be easily extinguished by a portable fire extinguisher, the use of SCBA is optional. Use water spray to cool all nearby fire exposed surfaces.

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable under normal storage conditions. **Hazardous Polymerization:** Will not Occur.
Incompatibility (material to avoid): None known. **Hazardous Decomposition Products:** None known.

SECTION 6 – TOXICOLOGICAL DATA

Exposure Limits: See Section 2 under Hazardous Ingredient. **Routes of Entry:** Skin and eye contact, inhalation.
Irritancy of Product: May be irritating to eyes upon contact. **Carcinogenicity:** None known.
Sensitization: None known. **Mutagenicity:** None known.
Teratogenicity: None known. **Reproductive Toxicity:** None known.
Name of Toxicological Synergistic Product: None known. **Effects of Chronic Exposure:** None known.
Effects of Acute Exposure to Product: Short-term exposure is irritating to the eyes.

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: Normally not required. However, if product is misted or sprayed, use a NIOSH/MSHA approved dust/mist respirator.
Ventilation: Use with normal ventilation.
Protective Gloves: Normally not required. However, wearing of rubber gloves are recommended when handling concentrate.
Eye Protection: Normally not required. However, wearing of safety goggles are recommended if there is a risk of product splashing into eyes during usage. **Protective Clothing and Equipment:** Normally not required.
Storage and Handling Procedures: Use good Industrial hygiene. Avoid contact with skin, eyes and clothing. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Do not mix with other chemicals. Store at temperatures below 30°C and keep from freezing.
Disposal Procedures for Spills or Leaks: Wear protective equipment. Soak up spills with absorbents, then dispose of in an appropriate waste container. Keep material away from sewers.
Waste Disposal Method: Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.
Special Shipping Information: Store at temperature below 30°C and keep from freezing.

SECTION 8 – EMERGENCY FIRST AID PROCEDURES

First Aid:
 If swallowed, give plenty of clean water to drink to dilute product. Do not induce vomiting. Call a Physician. In case of contact with eyes, flush with clean water for 15 minutes. Get medical attention. For contact with skin, wash with clean water and rinse well. If irritation occurs or persists, get medical attention.

PREPARATION DATA