

Material Safety Data Sheet

Section 1 - Product Identification

Prepared: 04/19/11

Identification Of The Product: Hexol
Use Of Product: Water-based household cleaner and deodorant
Manufacturer: Holloway House, Inc
309 Business Park Drive
Fortville, IN 46040
Emergency Telephone: Inside United States: (800) 255-3924
Outside United States: (813) 248-0585

Section 2 - Ingredient Information

<u>Chemical Name</u>	<u>CAS No.</u>	<u>%WT</u>
Pine Oil	8002-09-3	<60
Isopropyl Alcohol	67-63-0	<5
Potassium Hydroxide	1310-58-3	<5

Section 3 - Health Hazard Information

Normal Household Use: Health injuries are not known or expected under normal use as directed.

Effects Of Overexposure:

Skin: May cause slight irritation
Eyes: May cause slight irritation
Inhalation: May cause slight irritation
Ingestion: May cause nausea and vomiting.

Section 4 - First Aid Measures

First Aid Procedures:

Skin: Wash exposed skin areas with soap and water. Get medical attention if irritation develops or persists.

Eyes: Flush with large quantities of water, holding eyelids open. Seek medical attention if irritation develops or persists.

Inhalation: Get to fresh air. If breathing difficulty administer oxygen and seek medical attention immediately.

Ingestion: Do not induce vomiting. Drink 2-3 glasses of water. Seek medical attention immediately.

Section 5 - Fire and Explosion Data

Flash Point (TCC): 127F
Flammable Limits: Combustible at temperatures above flash point.
Lower Explosion Limit: Not Available
Extinguishing Media: Water, dry chemical, foam, carbon dioxide, clean extinguishing agents.

Special Fire Fighting Procedures: Wear MSHS/NIOSH approved self-contained breathing apparatus and full protective gear when fighting fires involving this product.

Unusual Fire and Explosion Hazards: During combustion the following substances may be formed: carbon monoxide, carbon dioxide, irritating gases, aldehydes and carboxylic acids.

Section 6 - Spill or Leak Procedures

Spill Procedures: Floors will become slippery. Avoid walking in product and ventilate area. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways.

Section 7 - Handling And Storage:

Precautions To Be Taken In Handling And Storage:

Store in a cool dry area: approximately 68F.
Keep container closed when not in use.
Storage area should conform to NFPA 30 and OSHA regulations for combustible liquid storage.

Conditions to Avoid:

Keep away from heat, flame, sparks and other ignition sources.
Spontaneous combustion may occur in material soaked with this product and exposed to air, as well as soaked vessels and piping insulation.
Avoid storing product near incompatible materials.

KEEP OUT OF THE REACH OF CHILDREN

Section 8 - Special Protection Information

Respiratory Protection: No special requirements

Ventilation: Normal ventilation.

Protective Gloves: Rubber, Neoprene, Plastic recommended when excessive contact is expected.

Eye Protection Safety glasses or eye goggles recommended when excessive contact is expected.

Other Protection: Not necessary if product is used as directed.

Hygienic Practices: Wash thoroughly after handling

Section 9 - Physical Data

Appearance: Clear

Color: Brown

Odor: Pine

Physical State: Liquid

Solubility In Water: Miscible in water

pH: 8.5 -9.0

Boiling Point: 212F

Evaporation Rate: (vs. H2O) <1

Specific Gravity: (H2O=1) 0.97

Relative Density (lbs/gal.) 8.1

Vapor Density: (Air=1) Like water
Vapor Pressure (mmHg): 1 mmHg @68F
Evaporation Rate: (vs. Butyl Acetate) <1

Section 10 - Reactivity Data

Stability: Stable under recommended handling and storage conditions
Hazardous Polymerization: Not Anticipated under normal use and storage conditions.
Hazardous Decomposition: Not known
Incompatibility: Strong oxidizing agents

Section 11 - Toxicological Information and Exposure Limits

Toxicological Data On Individual Components:

	CAS#:	Test Results
Pine Oil	8002-09-3	Acute Dermal LD50 [Rabbit]: 5000 mg/kg Acute Oral LD50 [Rat]: 3200 mg/kg
Isopropyl Alcohol	67-63-0	Acute Dermal LD50 [Rabbit]: 12800 mg/kg Acute Oral LD50 [Rat]: 5045 mg/kg Acute Oral LD50 [Mouse]: 3600 mg/kg Acute Oral LD50 [Rabbit]: 6410 mg/kg

Sensitization: Not available
Chronic Effects: Not available

Section 12 - Ecological Information

Environmental Effects: This product can be harmful to fish and aquatic organisms. Do not discharge product into storm drains, stream, river or other waterways.

Ecological Data On Individual Components:

	CAS#:	Test Results
Pine Oil	8002-09-3	48-hour EC50 (Daphnia Magna): 24.5-28 mg/L 96-hour LC50 (Rainbow Trout): 18.35 mg/L 96-hour LC50 (Bluegill sunfish): 54.82 mg/L

Section 13 - Disposal Considerations

Waste Disposal Method: Any method in accordance with local, state and federal laws and regulations. Best method is to recycle or reuse for intended purpose. Consult local authorities for disposal in public sewer. Do not dispose into storm drain, stream, river or other waterways. Keep empty containers away from heat, flame, and other ignition sources.

Section 14 - Transport Information

U.S. Department Of Transportation (DOT): Not regulated

Section 15 - Regulatory Information

TSCA The components in this product are listed on the Toxic Substances Control Act (TSCA) inventory.

CERCLA: If this product is accidentally spilled it is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CECRLA). We recommend you contact local authorities to determine if there may be other local reporting requirements.

SARA TITLE III: This product is regulated under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Reauthorization Act. The components are Sara Title 313 reportable ingredients.

Section 16 - Other Information

Hazardous Materials Identification System (HMIS):

Least = 0
Slight = 1
Moderate = 2
High = 3
Extreme = 4

HMIS Ratings:

Health	2
Flammability	2
Reactivity	1
Equipment	B

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