



Safety Data Sheet

Supersedes: 03/05/15

Prepared: 04/25/18

Section 1 - Product and Company Identification

Product Identifier

Product Name Hexol

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Water-based household cleaner and deodorant

Uses advised against No information available

Details of the supplier of the safety data sheet

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 - Hazards Identification

Classification

This product is considered hazardous per the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

GHS Classification: Flammable Liquid (Category 4)
Aspiration Hazard (Category 1)
Skin Irritant (Category 2)
Eye Irritant (Category 2B)

GHS Classification Scale (1 = severe hazard; 4 = slight hazard)

GHS Label Elements including precautionary statements

Signal Word: Danger

Pictogram:



Hazard Statement(s):

- H227 - Combustible Liquid
- H304 - May be fatal if swallowed and enters airways
- H315 - Causes skin irritation
- H320 - Causes eye irritation

Precautionary Statement(s): Prevention

- P101 - Keep out of reach of children
- P210 - Keep away from heat/sparks/open flames/hot surfaces - No Smoking
- P264 - Wash hands thoroughly after handling.
- P270 - Do not eat, drink or smoke when using this product.
- P280 - Wear protective gloves/protective clothing / eye protection / face protection.

Response

- P302 + P352 - IF ON SKIN: Wash with soap and water.
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P332 + P313 - If skin irritation occurs: Get medical advice/attention.
- P337 + P313 - If eye irritation persists: Get medical advice/attention.
- P301 + P312 - IF SWALLOWED: Call a POISON CONTROL or doctor/physician if you feel unwell.
- P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

Storage

- P404 - Store in a closed container.

Disposal

- P501 - Dispose of contents/ container by 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.

Hazards not otherwise classified (HNOC)

Not Applicable

Unknown Toxicity

0% of this mixture consists of ingredient(s) of unknown toxicity

Other Information

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

Route(s) of Entry: Eye, Skin contact, Ingestion.

Hazardous Materials Identification System (HMIS):

HMIS Ratings:

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

- Health 2
- Flammability 2
- Reactivity 0
- Equipment B

Section 3 - Composition / Information on Ingredients

<u>Chemical Name</u>	<u>CAS No.</u>	<u>%WT</u>	<u>Trade Secret</u>
Pine Oil	8002-09-3	40 - 60	*
Isopropyl Alcohol	67-63-0	< 5	*
Potassium Hydroxide	1310-58-3	< 2	*

* = The exact percentage (concentration) of composition has been withheld as a trade secret

Section 4 - First Aid Measures

First Aid Measures

Skin Contact	Wash exposed skin areas with soap and water. Get medical attention if irritation develops and persists.
Eye Contact	Flush with large quantities of water, holding eyelids open for 15 minutes. Seek medical attention if irritation develops and persists.
Inhalation	Get to fresh air. If breathing difficulty should occur, seek medical attention immediately.
Ingestion	Do not induce vomiting. Drink 2-3 glasses of water. Seek medical attention if symptoms appear. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways.
Skin irritation.
Eye irritation/redness.

Indication of any immediate medical attention and special treatment needed

Do not induce vomiting. Treat symptomatically

Section 5 - Fire Fighting Measures

Suitable Extinguishing Media

Dry chemical, carbon dioxide (CO₂), foam, water spray/fog

Unsuitable Extinguishing Media

Do not use water jet.

Specific Hazards Arising from the Chemical

Carbon oxides

Protective equipment and precautions for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Floors will become slippery. Avoid walking in product. Wear appropriate personal protective equipment (Sec. 8)

Environmental Precautions

Do not discharge into the environment.

Methods and materials for containment and cleaning up

If possible, turn leaking container to prevent further liquid from escaping.
Contain and mop up or otherwise absorb and hold for disposal.

Section 7 - Handling And Storage:

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes.
Avoid breathing vapors or mist.

Conditions for safe storage, including any incompatibilities

Store in a cool dry area in a closed container.

Incompatible Products

Strong acids. Strong oxidizing agents.

KEEP OUT OF THE REACH OF CHILDREN

Section 8 - Exposure Controls / Personal Protection

Control Parameters

No information available on mixture.

Exposure Limits/standards of components

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH REL
Isopropyl Alcohol 67-63-0	TWA: 200 ppm	TWA: 400 ppm STEL: 500ppm	TWA: 400 ppm STEL: 500ppm
Potassium Hydroxide 1310-58-3	Ceiling: 2 mg/m3	-	TWA: 2 mg/m3

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value

TWA - Time Weighted Average

OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits

STEL - Short Term Exposure Limit

NIOSH REL: National Institute of Occupational Safety and Health - Recommended Exposure Limits

AIHA (WEEL): American Industrial Hygiene Association (Workplace Environmental Exposure Level)

Appropriate Engineering Controls

No special controls necessary for normal use.

Individual Protection Measures, such as Personal Protective Equipment (PPE)

Respiratory Protection

No special requirements

Ventilation

Normal ventilation.

Protective Gloves

Rubber, Neoprene, Plastic not necessary, but recommended for prolonged contact.

Eye Protection

Safety glasses or eye goggles not necessary, but recommended for prolonged contact.

Other Protection

None

Hygienic Practices

Wash thoroughly after handling

Section 9 - Physical and Chemical Properties

Physical and Chemical Properties

Appearance (physical state / color)	Clear, Amber Liquid
Odor	Pine
Odor Threshold	No information available
pH	8.5 - 9.0
Melting point / Freezing point	No information available
Initial boiling point / boiling range	212°F
Flash Point	153°F (67C) - Closed Cup
Evaporation Rate: (n-butyl acetate =1)	< 1
Flammability (solid, gas)	No information available
Flammability Limit in Air	
Upper flammability limit	No information available
Lower flammability limit	No information available
Vapor Pressure	No information available
Vapor Density	No information available
Specific Gravity	0.97
Relative Density (lbs./gal.)	8.1
Solubility In Water	Miscible
Solubility in other solvents	No information available
Partition coefficient: n-octanol/water	No information available
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Viscosity	No information available

Other Information No information available

Section 10 - Stability and Reactivity

<u>Reactivity</u>	No information available
<u>Chemical Stability</u>	Stable under recommended storage conditions.
<u>Possibility of hazardous reactions</u>	None with normal use
Hazardous Polymerization	Does not occur
<u>Conditions to avoid</u>	No information available
<u>Incompatible materials</u>	Stong acids. Strong oxidizing agents.
<u>Hazardous Decomposition Products</u>	Carbon oxides

Section 11 - Toxicological Information

Information on likely routes of exposure

Inhalation	Specific test data for this product is not available.
Eye contact	Specific test data for this product is not available. May cause temporary eye irritation.
Skin contact	Specific test data for this product is not available. Prolonged exposure may cause minor skin irritation.
Ingestion	May be fatal if swallowed and enters airways.

Aspiration Hazard

Pine Oil (CAS 8002-09-3)

Aspiration Hazard - Category 1

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Pine Oil 8002-09-3	[Rat]: 3,200 mg/kg	[Rat]: > 2,000 mg/kg	[Rat, 3 h]: > 4.9 mg/l [Guinea Pig, 1 h]: > 3.4 mg/l
Isopropyl Alcohol 67-63-0	[Rat]: 5,045 mg/kg	[Rabbit]: 12,800 mg/kg	[Rat, 8 h]: 16,000 ppm
Potassium Hydroxide 1310-58-3	[Rat]: 243 mg/kg	-	-

Symptoms related to the physical, chemical and toxicological characteristics

Eye Contact: Eye irritation and redness with overexposure.

Skin Contact: Skin irritation with prolonged exposure.

Ingestion: May be fatal if swallowed and enters airways.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	Not established
Chronic Effects	Not established

Numerical measures of toxicity

No Information Available

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
None				

ACGIH - American Conference of Governmental Industrial Hygienists

IARC - International Agency for Research on Cancer

NTP - National Toxicity Program

OSHA - Occupational Safety and Health Administration of the US Department of Labor

* No ingredients contained in this mixture have been classified as a carcinogen by any of the agencies.

Section 12 - Ecological Information**Ecotoxicity**

No data available on mixture.

Component Information

Chemical Name	Toxicity to Algae	Toxicity to Fish	Daphnia Magna (Water Flea)
Pine Oil 8002-09-3	-	LC50 (96 hr.): 18.35 mg/l (Rainbow trout) LC50 (96 hr.): 54.82 mg/l (Bluegill sunfish)	EC50 (48 hr): 24.5 - 28 mg/l
Isopropyl Alcohol 67-63-0	EC50 (72 hr): 2,000 mg/l Desmodesmus subspicatus (green algae)	LC50 (96 hr.): 9,640 mg/l Fathead minnow (Pimephales promelas)	EC50 (24 hr): 5,102 mg/l

Chemical Name	Toxicity to Algae	Toxicity to Fish	Daphnia Magna (Water Flea)
Potassium Hydroxide 1310-58-3	-	LC50 (96 hr.): 80 mg/l Western mosquitofish (Gambusia affinis)	-

Persistence and degradability No information available
Bioaccumulative potential No information available
Mobility in soil No information available
Other adverse effects No information available

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.

Section 14 - Transport Information

U.S. - Department Of Transportation (DOT):

Bulk

UN Number: NA1993
UN Proper Shipping Name: Combustible liquid, n.o.s., (Pine Oil)
Transport Hazard Class: Combustible liquid
Packing Group III

Exemption - Limited Quantity

Not Regulated per 49 CFR Part 173.120 (b)(3): Combustible liquid that does not sustain combustion.

Section 15 - Regulatory Information

International Inventories:

TSCA (40 CFR 707, Subpt. D)

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

US Federal Regulations:

CERCLA (40 CFR 302.4)

If this product is accidentally spilled it is subject to reporting under the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CECRLA) if the released amount exceeds the reportable quantity (see table below). We recommend you contact local authorities to determine if there may be other local reporting requirements.

Chemical Name	CAS No.	Hazardous Substance Reportable Quantity (RQ)	Reportable Quantity (RQ) of Hexol
Potassium Hydroxide	1310-58-3	1,000 lbs	67,340 lbs. (8,313 gallons)

SARA 313 (TRI Reporting)

Section 313 Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	CAS No.	Weight %
Isopropyl Alcohol	67-63-0	< 5.0

SARA 311/312

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Pressure Hazard	No
Reactive Hazard	No

US State Regulations:

California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT):

This product does not contain any chemicals known to the state of California to cause cancer, birth defects, or any other reproductive harm.

US State Right-to-Know Regulations

Chemical Name		New Jersey	Massachusetts	Rhode Island	Illinois	Pennsylvania
Isopropyl Alcohol	67-63-0	X	X			X
Pine Oil	8002-09-3	X				
Potassium Hydroxide	1310-58-3		X	X		X

Section 16 - Other Information

Revisions:

03/05/15 - Converted to GHS compliant SDS
04/25/18 - Revised Sec. 14

Disclaimer:

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