

SAFETY DATA SHEET

Preparation Date: 12/29/2016

Revision Date: 10/27/2022

Revision Number: P1

1. IDENTIFICATION

Product identifier

Product code: C6120
Product Name: PINE OIL, WHITE

Other means of identification

Synonyms: No information available
CAS #: 8002-09-3
RTECS # TK5100000
CI#: Not available

Recommended use of the chemical and restrictions on use

Recommended use: No information available.
Uses advised against No information available

Supplier:

Lab Alley LLC
22111 Highway 71 West, Suite 601
Spicewood, Texas 78669
Tel.: 512-668-9918

Emergency telephone number Infotrac: 800-535-5053

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

| | |
|-----------------------------------|-------------|
| Skin corrosion/irritation | Category 2 |
| Serious eye damage/eye irritation | Category 2A |
| Skin sensitization | Category 1 |
| Aspiration toxicity | Category 1 |
| Flammable liquids | Category 4 |

Label elements

Warning

Hazard statements

Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
May be fatal if swallowed and enters airways
Combustible liquid

**Hazards not otherwise classified (HNOC)**

Not Applicable

Other hazards

Harmful to aquatic life with long lasting effects
May be harmful in contact with skin

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing must not be allowed out of the workplace
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Wear protective gloves
Wear eye/face protection

Precautionary Statements - Response

In case of fire: Use CO₂, dry chemical, or foam to extinguish.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
IF ON SKIN: Wash with plenty of water
Take off contaminated clothing and wash it before reuse
If skin irritation or rash occurs: Get medical advice/attention
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up
Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Components | CAS-No. | Weight % |
|-----------------|-----------|----------|
| Pine Oil, white | 8002-09-3 | 100 |

4. FIRST AID MEASURES**First aid measures**

General Advice: National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222.

Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention. If skin irritation persists, call a physician.

Eye Contact: Flush eyes with water for 15 minutes. Get medical attention.

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.

Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed

Symptoms Causes serious eye irritation. Causes skin irritation. May cause irritation of respiratory tract. May cause an allergic skin reaction. Aspiration hazard if swallowed - can enter the lungs and cause damage. Aspiration into the lungs may cause chemical pneumonitis. gastroenteritis. May cause nausea and vomiting. May cause headache. Central nervous system effects. Ataxia. Excitement. Somnolence. May affect the liver. It may affect the kidneys. May affect the cardiovascular system. Hypotension. Bradycardia. Respiratory depression. May cause coughing and shortness of breath.

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Dry chemical. Carbon dioxide (CO₂). Water spray, mist, or foam.

Unsuitable Extinguishing Media: Do not use a solid (straight) water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Hazardous Combustion Products: Carbon Dioxide, Carbon Monoxide.

Specific hazards: Combustible material. May be ignited by heat, sparks or flames. Container explosion may occur under fire conditions or when heated.

Special Protective Actions for Firefighters

Specific Methods: Water mist may be used to cool closed containers. For larger fires, use water spray or fog. Cool containers with flooding quantities of water until well after fire is out.

Special Protective Equipment for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Remove all sources of ignition. All equipment used when handling the product must be grounded. Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

Methods for containment Absorb spill with inert material (e.g. vermiculite, dry sand or earth), then place in a suitable chemical waste container. In case of large spill, dike if needed. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. Use only non-sparking tools. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Technical Measures/Precautions:

Provide sufficient air exchange and/or exhaust in work rooms. Remove all sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from incompatible materials.

Safe Handling Advice

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist. Do not ingest. When using do not smoke. Keep away from heat and sources of ignition. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions:

Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition. Store away from incompatible materials. Store in a segregated and approved area.

Incompatible Materials:

Oxidizing agents

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

| Components | CAS-No. | OSHA | NIOSH | ACGIH | AIHA WHEEL |
|-----------------|-----------|------|-------|-------|------------|
| Pine Oil, white | 8002-09-3 | None | None | None | None |

Canada

| Components | CAS-No. | Canada - Alberta | Canada - British | Canada - Ontario | Canada - Quebec |
|------------|---------|------------------|------------------|------------------|-----------------|
|------------|---------|------------------|------------------|------------------|-----------------|

| | | | | | |
|-----------------|-----------|------|-----------------|------|------|
| | | | Columbia | | |
| Pine Oil, white | 8002-09-3 | None | None | None | None |

Australia and Mexico

| | | | |
|-----------------|-----------|------------------|---------------|
| Components | CAS-No. | Australia | Mexico |
| Pine Oil, white | 8002-09-3 | None | None |

Appropriate engineering controls

Engineering measures to reduce exposure:

Ensure adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and mist below their respective threshold limit value.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

- Eye protection:** Goggles
- Skin and body protection:** Long sleeved clothing. Chemical resistant apron. Gloves.
- Respiratory protection:** Vapor respirator. Be sure to use an approved/certified respirator or equivalent.
- Hygiene measures:** Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|---|---|--|
| Physical state: Liquid | Appearance: No information available. | Color: Colorless. White. Light yellow. |
| Odor: Piny. | Taste No information available. | Formula: No information available |
| Molecular/Formula weight: No information available | Flammability: Combustible | Flashpoint (°C/°F): 78°C/172.4°F |
| Flash Point Tested according to: Closed cup | Autoignition Temperature (°C/°F): No information available | Lower Explosion Limit (%): No information available |
| Upper Explosion Limit (%): No information available | Melting point/range(°C/°F): No information available | Decomposition temperature(°C/°F): No information available |
| Boiling point/range(°C/°F): 200-220°C/392-428°F | Bulk density: No information available | Density (g/cm3): No information available |
| Specific gravity: 0.930-0.950 @ 20°C | pH: No information available | Vapor pressure @ 20°C (kPa): 0.1 |
| Evaporation rate: No information available | Vapor density: No information available | VOC content (g/L): No information available |
| Odor threshold (ppm): No information available | Partition coefficient (n-octanol/water): No information available | Viscosity: No information available |
| Miscibility: | Solubility: | |

No information available

Practically insoluble in water

10. STABILITY AND REACTIVITY

Reactivity

Reactive with oxidizing agents

Reactive with bases

Chemical stability

Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Conditions to avoid: Heat. Ignition sources. Incompatible materials.

Incompatible Materials: Oxidizing agents

Hazardous decomposition products: No information available.

Other Information

Corrosivity: No information available

Special Remarks on Corrosivity: No information available

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure:

Ingestion. Inhalation. Skin.

Acute Toxicity

Component Information

Pine Oil, white

CAS-No. 8002-09-3

LD50/oral/rat = 3200 mg/kg Oral LD50 Rat (LOLI)

>5000 mg/kg (RTECS); 10,250 mg/kg (RTECS)

LD50/oral/mouse = No information available

LD50/dermal/rabbit = >2000 mg/kg (RTECS); 5000 mg/kg (RTECS)

LD50/dermal/rat = No information available

LC50/inhalation/rat = No information available

LC50/inhalation/mouse = No information available

Other LD50 or LC50 information = No information available

Product Information

LD50/oral/rat =

VALUE- Acute Tox Oral = 3200 mg/kg

LD50/oral/mouse =

Value - Acute Tox Oral = No information available

LD50/dermal/rabbit

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VALUE-Acute Tox Dermal = 5000 mg/kg

LD50/dermal/rat

VALUE -Acute Tox Dermal = No information available

LC50/inhalation/rat

VALUE-Vapor = No information available

VALUE-Gas = No information available

VALUE-Dust/Mist = >3.79 mg/l (4-hr.)

LC50/Inhalation/mouse

VALUE-Vapor = No information available

VALUE - Gas = No information available

VALUE - Dust/Mist = No information available

Symptoms

Skin Contact: Causes skin irritation. It may be absorbed through the skin.

Eye Contact: Causes eye irritation. Causes moderate to severe eye irritation.

Inhalation May cause irritation of respiratory tract. May affect respiration (respiratory depression). Symptoms may include coughing and shortness of breath.

Ingestion May cause gastroenteritis. Ingestion may cause nausea, vomiting. May cause headache. May affect behavior/central nervous system (somnolence, ataxia). May affect liver. May affect urinary system (kidneys). Aspiration hazard if swallowed. Aspiration into the lungs can cause chemical pneumonitis. May affect behavior/central nervous system (depression or excitement). May affect the cardiovascular system (hypotension). May affect the cardiovascular system (slow heart rate (bradycardia)).

Aspiration hazard May be fatal if swallowed and enters airways.

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

Chronic Toxicity Skin: Sensitizer. May cause allergic skin reaction (allergic contact dermatitis).

Sensitization: May cause sensitization by skin contact.

Mutagenic Effects: No information available

Carcinogenic effects: Not considered carcinogenic.

| Components | CAS-No. | IARC | ACGIH - Carcinogens | NTP | OSHA HCS - Carcinogens | Australia - Notifiable Carcinogenic Substances | Australia - Prohibited Carcinogenic Substances |
|-----------------|-----------|------------|---------------------|------------|------------------------|--|--|
| Pine Oil, white | 8002-09-3 | Not listed | Not listed | Not listed | Not listed | Not listed | Not listed |

ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer)

NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

Reproductive toxicity No data is available

Reproductive Effects: No information available

Developmental Effects: No information available
Teratogenic Effects: No information available

Specific Target Organ Toxicity

STOT - single exposure No information available.
STOT - repeated exposure No information available.
Target Organs: No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: Aquatic environment.
Pine Oil, white - 8002-09-3
Water Flea Data: 17 - 28 mg/L EC50 Daphnia magna 48 h
Persistence and degradability: No information available
Bioaccumulative potential: No information available.
Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products:
Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging:
Empty containers should be taken for local recycling, recovery or waste disposal

| Components | CAS-No. | RCRA - F Series Wastes | RCRA - K Series Wastes | RCRA - P Series Wastes | RCRA - U Series Wastes |
|-----------------|-----------|------------------------|------------------------|------------------------|------------------------|
| Pine Oil, white | 8002-09-3 | None | None | None | None |

14. TRANSPORT INFORMATION

DOT

UN-No: UN1272
Proper Shipping Name: Pine oil
Hazard Class: 3
Subsidiary Class No information available
Packing group: III
Emergency Response Guide Number 129
Marine Pollutant No data available
DOT RQ (lbs): No information available
Special Provisions B1, IB3, T2, TP1
Symbol(s): No information available
Description: UN1272, Pine oil, 3, III

TDG (Canada)

UN-No: UN1272
Proper Shipping Name: Pine oil

Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: III
Marine Pollutant Description: No Information available
UN1272, Pine oil, 3, III

ADR

UN-No: UN1272
Proper Shipping Name: Pine oil
Hazard Class: 3
Packing Group: III
Subsidiary Risk: No information available
Description: UN1272, Pine oil, 3, III

IMO / IMDG

UN-No: UN1272
Proper Shipping Name: Pine oil
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: III
Marine Pollutant Description: No information available
EMS: F-E
Description: UN1272, Pine oil, 3, III

RID

UN-No: UN1272
Proper Shipping Name: Pine oil
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: III
Description: UN1272, Pine oil, 3, III

ICAO

UN-No: UN1272
Proper Shipping Name: Pine oil
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: III
Description: UN1272, Pine oil, 3, III

IATA

UN-No: UN1272
Proper Shipping Name: Pine oil
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: III
ERG Code: 3L
Special Provisions Description: No information available
UN1272, Pine oil, 3, III

15. REGULATORY INFORMATION

International Inventories

| Components | CAS-No. | U.S. TSCA | KOREA KECL | Philippines (PICCS) | Japan ENCS | CHINA | Australia (AICS) | EINECS-No. |
|------------------------|-----------|-----------|---------------------|---------------------|-------------|---------|------------------|-------------|
| <i>Pine Oil, white</i> | 8002-09-3 | Present | Present KE-28756 | Present | Not present | Present | Present | Not present |

U.S. Regulations

Product code: C6120

Product name: PINE OIL, WHITE

Pine Oil, white

New Jersey RTK Hazardous Substance List: 2684

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

Chemicals Known to the State of California to Cause Cancer:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Chemicals Known to the State of California to Cause Reproductive Toxicity:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

| Components | CAS-No. | Carcinogen | Developmental Toxicity | Male Reproductive Toxicity | Female Reproductive Toxicity: |
|-----------------|-----------|------------|------------------------|----------------------------|-------------------------------|
| Pine Oil, white | 8002-09-3 | Not Listed | Not Listed | Not Listed | Not Listed |

CERCLA/SARA

| Components | CAS-No. | CERCLA - Hazardous Substances and their Reportable Quantities | Section 302 Extremely Hazardous Substances and TPQs | Section 302 Extremely Hazardous Substances and RQs | Section 313 - Chemical Category | Section 313 - Reporting de minimis |
|-----------------|-----------|---|---|--|---------------------------------|------------------------------------|
| Pine Oil, white | 8002-09-3 | None | None | None | None | None |

U.S. TSCA

| Components | CAS-No. | TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS) | TSCA 8(d) -Health and Safety Reporting |
|-----------------|-----------|---|--|
| Pine Oil, white | 8002-09-3 | Not Applicable | Not Applicable |

Canada

WHMIS hazard class:

B3 Combustible liquid

D2B Toxic materials

Components

Pine Oil, white

WHIMHAZ

B3 D2B

Canada Controlled Products Regulation:

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

Inventory

| Components | CAS-No. | Canada (DSL) | Canada (NDSL) |
|-----------------|-----------|--------------|---------------|
| Pine Oil, white | 8002-09-3 | Present | Not Listed |

| Components | CAS-No. | CEPA Schedule I - Toxic Substances |
|-----------------|-----------|---|
| Pine Oil, white | 8002-09-3 | Not listed |
| Components | CAS-No. | CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting |
| Pine Oil, white | 8002-09-3 | Not listed |

EU Classification

R-phrase(s)

R36/38 - Irritating to eyes and skin.

S -phrase(s)

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37 - Wear suitable gloves.

| Components | CAS-No. | Classification | Concentration Limits: | Safety Phrases |
|-----------------|-----------|----------------|-----------------------|----------------|
| Pine Oil, white | 8002-09-3 | | No information | |

The product is classified in accordance with Annex VI to Directive 67/548/EEC

Indication of danger:

Xi - Irritant.

Xi



16. OTHER INFORMATION

Preparation Date: 12/29/2016
Revision Date: C6120
Prepared by: Lab Alley

Disclaimer:

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Lab Alley LLC assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Lab Alley LLC assumes no responsibility for the completeness or accuracy of the information contained herein.

End of Safety Data Sheet