

Preservation Solutions



Innovators of Environmentally Safe Products for Wood and Leather

Safety Data Sheet

Version 1.0

Product Name: *Pentacryl*TM

Revision Date: 3-Oct-2015

1. Identification of Product and Company

Preservation Solutions, LLC
33941 Skyline Drive
Golden, CO 80403

Emergency Telephone: 303.642.3060
Fax: 303.648.6468

Product Name: **Pentacryl**TM
Product Use: Stabilizer for green wood

2. Hazards Identification

Emergency Overview

Appearance: Liquid, Amber Brown Color, Light Odor
Non-hazardous

GHS Classification

Flammable Liquids	Category 0
Skin Irritation	Category 1
Eye Irritation	Category 1
Aspiration Hazard	Category 0
Inhalation	Category 0

0 = Not significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme

GHS Label Element

Hazard Pictograms:



Irritant

Single Word: Warning
Hazard Statements: Physical Hazards: None
H316 Causes mild skin irritation
H320 Causes eye irritation

Precautionary Statements:
P264 Wash affected areas thoroughly after handling
P280 Wear protective gloves and eye protection

Potential Health Effects

Eyes: May cause mild eye irritation with stinging, redness and tearing.
Skin: May cause slight skin irritation. Prolonged contact may dry skin.

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Inhalation: No harmful fumes. Move to fresh air.

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Carcinogenicity

IARC No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH No Component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Keep out of the reach of children

3. Confirmation/Information on Ingredients

Chemical Characterization: Mixture

Components	CAS-No	% Concentration
Distillates (petroleum), hydrotreated light	64742-47-8	40-50%

Proprietary formula.

4. First-Aide Measures

Eye Contact Remove contact lenses. Rinse thoroughly with plenty of water including under the eyelids. If symptoms persist, call a physician.

Skin Contact Wash exposed area with soap and water. Remove contaminated clothing. If symptoms persist, call a physician.

Inhalation If symptoms develop, move to fresh air. If symptoms persist, call a physician.

Ingestion Contact a physician. Do not induce vomiting.

5. Fire Fighting Measures

Suitable Extinguishing Agents: Dry chemical, Carbon dioxide (CO₂)

Unsuitable Extinguishing Agents: Water

Special Hazards Arising from the Substance: No further relevant information available

Advice for Firefighters: Do not allow run-off from fire fighting to enter drains or water courses



6. Accidental Release Measures

Personal Precautions: Ensure adequate ventilation. Eliminate all ignition sources (flames, electrical sparks). Use personal protective equipment (goggles, gloves, adequate clothing)

Environmental Precautions: Prevent spreading over a wide area by containment or barriers. Do not let product enter drains, sewage system or ground water.

Methods for Cleaning Up: Absorb with liquid binding material (sand, earth, diatomite, sawdust). Allow to solidify and shovel into a container for disposal according to local regulations.

Reference to Other Sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. Handling and Storage

Precautions for Safe Handling Ensure good ventilation at the workplace.
Avoid contact with skin and eyes. Gloves and splash proof safety glasses should be worn.
Smoking, eating and drinking should be prohibited in work area.
Wash hands forearms and face thoroughly after handling the product.

Storage: Store in a cool, dry, area.
Keep container tightly closed.
Keep from freezing or overheating.

8. Exposure Controls/Personal Protection

Engineering Measures: Ensure adequate ventilation
Eye/Face Protection: Not required under normal conditions of use. Wear splash proof safety goggles if splashes are likely to occur. Eye wash bottle with pure water.
Respiratory Protection: No respiratory protective equipment required
Hand Protection Remarks: Protective gloves should be worn to prevent skin irritation.
Skin/Body Protection: Wear protective gloves/clothing. Launder clothing before reuse.
Hygiene Measures: Do not eat, drink or smoke when using the product. Wash hands before breaks and at the end of the day.

9. Physical and Chemical Properties

Physical State	Liquid
Color	Amber Brown
Odor	Slight Odor
pH	2.8-3.2
Melting Point	Not available
Freezing Point	Does not freeze solid
Boiling Point	280°F (Higher than)
Flash Point	>250°F
Evaporation Rate	Not available
Flammability (solid, gas)	Not available
Vapor Pressure	Not available
Solubility in Water	Soluble
Percent Volatile by Weight	32-33% (14-15% H ² O)
Specific Gravity	0.92
Viscosity	20.8
Lbs. per Gallon	7.8

10. Stability and Reactivity

Reactivity	No dangerous reaction known under conditions of normal use
Chemical Stability	Stable under normal conditions
Conditions to Avoid	Avoid contact with direct heat, flames or sparks
Incompatible Products	Avoid contact with strong oxidizing agents
Hazardous Decomposition Products	Under normal conditions of storage and use, hazardous decomposition products should not be produced

11. Toxicological Information

Eyes	Eye irritation
Skin	Skin irritation
Ingestion	No data available
Inhalation	No known significant effects or critical hazards
Chronic Toxicity	No data available
Acute Toxicity	No known significant effects or critical hazards
Carcinogenicity	Not classified as a human carcinogen



12. Ecological Information

Biodegradability	Material is readily biodegradable
Water Hazard	Slightly hazardous for water. Do not allow undiluted product in large quantities to reach ground water, water course or sewage system.
Acute Aquatic Toxicity	Large quantities toxic to fish.
Stability in Soil	Absorbs on soil.
Additional Information	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

13. Disposal Considerations

Waste Disposal Method	Dispose of product in accordance with all applicable local, state and federal regulations. Do not re-use empty containers.
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14. Transport Information

Hazardous Class	None
DOT	Not regulated as a dangerous good
ICAO	Not regulated as a dangerous good
IATA	Not regulated as a dangerous good
IMDG	Not regulated as a dangerous good

15. Regulatory Information

OSHA Hazards Non-flammable, light skin irritation and light eye irritation

SARA 311/312 Classification

Acute Health Hazard	No
Fire Hazard	No
Chronic Health Hazard	No

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

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Clean Water Act

This product does not contain any hazardous substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A.

This product does not contain any hazardous chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3

U. S. State Regulations

Massachusetts Right to Know

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right to Know

- 64742-47-8 Distillates (pet), hydrotreated light 0-100%
- 64742-96-7 Solvent naphtha (petroleum), heavy aliph 0-100%

New Jersey Right to Know

- 64742-47-8 Distillates (pet), hydrotreated light 0-100%
- 64742-96-7 Solvent naphtha (petroleum), heavy aliph 0-100%

California Prop. 65

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

Approved by Air Resources Board of California

Approved by Health Canada

16. Other Information

Revision Date: 3-Oct-2015
Prepared By: Preservation Solutions, LLC
Version: 1.0

Disclaimer: The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material named and may not be valid for such material used in combination with any other material or in any process, unless specified here.

Key to Abbreviations and Acronyms used in this Safety Data Sheet			
ACGIH	American Conference of Government Industrial Hygienists	IATA	International Air Transportation Association
DOT	Department of Transportation	ICAO	International Civil Aviation Organization
GHS	Globally Harmonized System	IMDG	International Maritime Dangerous Goods Code
IARC	International Agency on Research for Cancer	OSHA	Occupational Safety & Health Administration