



SILVER FERN CHEMICAL, INC.
Safety Data Sheet
Di-Propyl Heptyl Phthalate (DPHP)

Section 1: Identification

Product Name: Di-(2-Propylheptyl) Phthalate (DPHP)
Synonyms: Bis(2-Propyl Heptyl)phthalate; Phthalic acid bis(2-propylheptyl) ester
CAS #: 53306-54-0
Chemical Formula: C₂₈H₄₆O₄
Distributor: Silver Fern Chemical, Inc. Customer Service: 1-866-282-3384
2226 Queen Anne Avenue N. info@silverfernchemical.com
Seattle, WA 98109, USA
Recommended Use: Plasticizer **24 Hour Emergency Contact**
Restrictions on Use: Not enough data available to determine. **Infotrac 1-800-535-5053 (USA & Canada)**
Outside USA & Canada 1-352-323-3500

Section 2: Hazard Identification

GHS Label elements:

GHS Classification

Acute toxicity, dermal

Category

5

Pictogram:

Signal Word:

Warning

Code	Hazard Statement
H313	May be harmful in contact with skin

Code	Precautionary Statement
P302+ P312	IF ON SKIN:Call A POISON CENTER/doctor, if you feel unwell.

Section 3: Composition / Information on Ingredients

Component	CAS Number	Concentration	EC Number
Di-(2-Propylheptyl) Phthalate (DPHP)	53306-54-0	99.6 - 100 %	258-469-4

Section 4: First Aid Measures

Inhalation: Remove to fresh air.
If not breathing, apply artificial respiration.
Get medical assistance if symptoms occur.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel.
Never give anything by mouth to an unconscious person.
Get immediate medical attention.

Skin Contact: Flush skin with plenty of water, while removing contaminated clothing and shoes.
Get medical assistance if symptoms occur.

Eve Contact: Flush eyes with plenty of water for at least 15 minutes, lifting the upper and lower eyelids.
Get medical assistance if symptoms occur.

Note to Physician: Treat symptomatically and supportively.



If patient ingests this material, consider to stomach lavage or use active carbon.

Section 5: Fire Fighting Measures

- Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or alcohol resistant foam.
Do NOT use solid water stream as it may spread fire.
Use water to cool exposed containers.
Containers may explode in the heat of a fire.
Move fire-exposed containers, if safe to do so.
- Special Protective Equipment:** Wear a self-contained breathing apparatus MSHA/NIOSH (approved or equivalent), and full protective gear.
- Specific Hazards:** Fire residues and contaminated water must be disposed of in accordance with local regulations.

Section 6: Accidental Release Measures

- Emergency Procedures:** Wear personal protection equipment.
Avoid contact with skin, eyes and clothing.
Avoid breathing vapors, mist or gas.
Ensure adequate ventilation.
Keep unnecessary personnel away.
Remove all sources of ignition.
- Environmental Precautions:** Prevent further leakage or spillage if safe to do so.
Do not let product enter soil, ditches, sewers, waterways, or groundwater.
- Methods of containment/cleanup:** Absorb with inert materials and place into appropriate containers for disposal.
Large spills should be collected mechanically (remove by pumping) for disposal.
Use water and detergent to wash the contaminated ground.
Collect the wastewater to be disposed at a wastewater processing station.
Notify appropriate authorities and dispose of in accordance with applicable requirements.

Section 7: Handling and Storage

- Handling:** Wear personal protection equipment.
Avoid contact with eyes, skin and clothing.
Avoid ingestion and inhalation.
Use only in well-ventilated area.
Wash thoroughly after handling.
Empty containers retain product residue (liquid and/or vapor), and can be dangerous.
- Storage:** Store tightly closed container in a cool, dry, well-ventilated area away from direct sunlight.
Keep isolated from incompatible materials.
Keep away from heat, sparks, flame and other sources of ignition.

Section 8: Exposure Controls / Personal Protection

- Exposure Limit:** No exposure limits established.
- Engineering Controls:** Use adequate ventilation to keep airborne concentrations low.
An emergency eye wash/shower must be readily accessible to the work area.
- Personal Protective Equipment:**
- Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134. In confined areas, use a self-contained breathing apparatus.

Skin Protection: Wear appropriate protective gloves and clothing to prevent skin exposure.

Recommended glove material: Neoprene, Butyl/Nitrile/Chloroprene rubber.

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

Section 9: Physical and Chemical Properties

Physical State:	Liquid
Color:	Clear, colorless
Odor:	Mild
Odor Threshold:	Not applicable
pH:	Neutral at 20 °C
Melting/Freezing Point:	-48 °C
Boiling Point:	251°C to 254 °C
Decomposition Temperature:	No data available
Flash Point:	220 °C
Auto-ignition Temperature:	345 °C
Flammability/Explosive Limits:	Not applicable
Vapor Pressure:	< 0.0001 hPa at 50 °C
Vapor Density (air=1):	No data available
Relative Density (water=1):	0.9624 at 20 °C
Solubility (in water):	< 0.1 µg/l (25 °C)
Partition coefficient: n-Octanol/water:	Log Pow: > 6
Evaporation Rate (Butyl Acetate=1)	No data available
Kinematic Viscosity	No data available
Molecular Weight:	446.672 g/mol

Section 10: Stability and Reactivity

Stability:	Stable at room temperature and under normal conditions.
Hazardous Reactions:	Thermally stable at typical use temperatures. Polymerization will not occur.
Conditions to Avoid:	Avoid heat, sparks, open flames and other sources of ignition.
Incompatible Materials:	No data available.
Decomposition Products:	Carbon oxides.

Section 11: Toxicological Information

Potential Health Effects:

Inhalation:	Not expected to be harmful.
Skin Contact:	May be harmful in contact with skin.
Eye Contact:	Not expected to be harmful.

Ingestion: Not expected to be harmful.

Symptoms of Exposure: The mist and vapors generated when heated may irritate and cause cough, sore throat or nausea.

Chronic Effects: There is no evidence that this material is toxic.

Numerical Measures of Acute Toxicity:

Route	Test	Subject	Value	Time
Oral	LD 50	Rat	> 5,000 mg/kg	
Dermal	LD 50	Rabbit	> 2,000 mg/kg	
Inhalation	LC 50	Rat	> 20.5 mg/L	1 hour

Additional Information:

Aspiration Toxicity: Not classified based on available information.

Carcinogenicity: This product is not classified as a carcinogen by IARC or U.S. ACGIH, NTP or OSHA.

Germ cell mutagenicity: Not classified based on available information.

Reproductive toxicity: Not classified based on available information.

Sensitization: Not classified based on available information.

STOT - Repeated Exposure: Not classified based on available information.

STOT - Single Exposure: Not classified based on available information.

Section 12: Ecological Information

Ecotoxicity	Group	Test	Subject	Value	Time
	Fish:	LC 50	Brachydanio rerio	> 10,000 mg/L	96 hours
	Aquatic invertebrates:	EC 50	Daphnia magna	> 100 mg/L	48 hours
	Aquatic plants:	EC 50	Algae	> 100 mg/L	72 hours

Persistence and Degradability: Readily Biodegradable.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Section 13: Disposal Considerations

Packaging: Empty containers may retain product residue, follow label warnings even after container is emptied.

Disposal: Dispose of according to Federal, State, and Local Regulations.

Section 14: Transportation Information

The information in this section is for reference only and should not take the place of a bill of lading specific to an order.

Product is not regulated for transport per 49 CFR

Section 15: Regulatory Information

US Federal - TSCA: This product is listed on the TSCA active inventory.

California - Prop 65:

This product is not subject to the State of California's Proposition 65 regulations.

Section 16: Other Information

Revision Date: Wednesday, February 26, 2020

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