

# **Safety Data Sheet**

**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

**Company:** AllChem Industries ICG, Inc. **Emergency Number:** CHEMTREC 800-424-9300

6010 NW First Place Gainesville, FL 32607

Recommended Use: Plasticizer.

**Restrictions on Use:** Not enough data available to determine.

# **Section 2: Hazard Identification**

**GHS Label elements:** 

GHS Classification Category
Acute toxicity, dermal 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
Section S. Combosition /	illioillation on merculeits

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.

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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.

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:** 

Storage:

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134. In confined areas, use a self-

contained breathing apparatus.

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**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):  $< 0.1 \mu g/l (25 °C)$ 

**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.

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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:**

<b>Route</b> Oral	Test LD 50	<b>Subject</b> Rat	<b>Value</b> > 5,000 mg/kg	Time
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

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall AllChem be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if AllChem has been advised of the possibility of such damages.