



Safety Data Sheet

Section 1: Identification

Product Name: Diisononyl phthalate (DINP)
Synonyms: 1,2-Benzenedicarboxylic acid, diisononyl ester; Phthalic Acid, Diisononyl Ester; Phthalic acid dibutyl ester; Bis(7-methyloctyl) benzene-1,2-dicarboxylate; Bis(7-methyloctyl) phthalate
CAS #: 28553-12-0
Chemical Formula: C₂₆H₄₂O₄
Company: AllChem Industries ICG, Inc. **Emergency Number:** CHEMTREC 800-424-9300
6010 NW First Place
Gainesville, FL 32607
Recommended Use: Industrial uses.
Restrictions on Use: No data available.

Section 2: Hazard Identification

**Not classified as dangerous according to GHS criteria for this product.*
GHS Label elements: **GHS label elements are not applicable for this product.*
Pictograms: **No Hazard symbol required.*

Section 3: Composition / Information on Ingredients

Component	CAS Number	Concentration	EC Number
Diisononyl phthalate	28553-12-0	99.0 - 100 %	249-079-05

Section 4: First Aid Measures

Inhalation: Remove to fresh air.
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 medical assistance if symptoms occur.

Skin Contact: Flush skin with plenty of soap and water, while removing contaminated clothing and shoes.
Wash clothing before reuse or discard if they cannot be thoroughly cleaned.
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. Remove contact lenses, if present and easy to do so.
Get medical assistance if symptoms occur.

Note to Phvsician: Treat symptomatically and supportively.

Section 5: Fire Fighting Measures

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or alcohol resistant foam.

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 and upwind.

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.
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.

Storage: Store tightly closed container in a cool, dry, well-ventilated area.
Keep isolated from incompatible materials.

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.

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:	Light
Odor Threshold:	No data available
pH:	No data available
Melting/Freezing Point:	-50 °C
Boiling Point:	252 °C
Decomposition Temperature:	No data available

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Flash Point:	241 °C
Auto-ignition Temperature:	No data available
Flammability/Explosive Limits:	< 0.1 to 0.17 % (V)
Vapor Pressure:	0.6 Pa at 20 °C
Vapor Density (air=1):	No data available
Relative Density (water=1):	0.976 g/cm ³ at 20 °C
Solubility (in water):	6E-7 g/cm ³ at 20 °C
Partition coefficient: n-Octanol/water:	Log Pow: 8.8 to 9.7 at 25 °C
Evaporation Rate (Butyl Acetate=1)	No data available
Kinematic Viscosity	No data available
Molecular Weight:	418.61 g/mol

Section 10: Stability and Reactivity

Stability:	Stable at room temperature and under normal conditions.
Hazardous Reactions:	Thermally stable at typical use temperatures.
Conditions to Avoid:	No data available.
Incompatible Materials:	No data available.
Decomposition Products:	Carbon oxides.

Section 11: Toxicological Information

Potential Health Effects:

Inhalation:	May be harmful if inhaled. May cause respiratory tract irritation.
Skin Contact:	May cause skin irritation. May be harmful if absorbed through skin.
Eye Contact:	May cause eye irritation.
Ingestion:	May be harmful if swallowed.

Numerical Measures of Acute Toxicity: No data available.

Additional Information:

RTEC #:	TI0875000
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: Very toxic to aquatic life.

Persistence and Degradability: No data available

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Section 13: Disposal Considerations

Product: Smaller quantities can be disposed of with household waste.

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.