Safety Data Sheet

Section 1: Identification

Product Name: Di(2-ethylhexyl)terephthalate (DOTP)
Synonyms: Dioctyl Terephthalate; Bis(2-ethylhexyl)terephthalate; 1,4-benzenedicarboxylix acid bis(2-ethylhexyl) ester
CAS #: 6422-86-2
Chemical Formula: C24H38O4

Company: AllChem Industries ICG, Inc.
6010 NW First Place
Gainesville, FL 32607

Emergency Number: CHEMTREC 800-424-9300

Recommended Use: Plasticizer additive.
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.*

Other classifications:

NFPA Rating:		HMIS Rating:	
Health:	0	Health:	0
Fire:	1	Flammabilitv:	1
Reactivitv:	0	Phvsical:	0

Section 3: Composition / Information on Ingredients

Component	CAS Number	Concentration	EC Number
Dioctyl Terephthalate	6422-86-2	99.6 - 100 %	229-176-9

Section 4: First Aid Measures

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

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

Skin Contact: Flush skin with plenty of soap and water, while removing contaminated clothing and shoes.
Get immediate medical attention.

Eve Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.
Remove contact lenses, if present and easy to do so.
Get medical assistance if symptoms occur.

Note to Physician:	Treat symptomatically and supportively. If swallowed consider gastric lavage or activated carbon.

Section 5: Fire Fighting Measures

Extinguishing Media:	Use extinguishing media appropriate for surrounding 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. Evacuate personnel upwind in-order to avoid inhalation of irritating/harmful fumes and smoke.

Section 6: Accidental Release Measures

Emergency Procedures:	Wear personal protection equipment. Ensure adequate ventilation. Remove all sources of ignition.
Environmental Precautions:	Prevent further leakage or spillage if safe to do so.
Methods of containment/cleanup:	Absorb with inert materials and place into appropriate containers for disposal. Wash residual traces with water and collect wastewater for disposal. Notify appropriate authorities and dispose of in accordance with applicable requirements.

Section 7: Handling and Storage

Handling:	Wear personal protection equipment. Wash thoroughly after handling.
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.
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:	Odorless
Odor Threshold:	Not applicable
pH:	No data available

Melting/Freezing Point:	< -68.2 °C
Boiling Point:	383°C to 400 °C
Decomposition Temperature:	No data available
Flash Point:	212°C to 238 °C
Auto-ignition Temperature:	387 °C
Flammability/Explosive Limits:	No data available
Vapor Pressure:	0.133 kPa at 217 °C
Vapor Density (air=1):	13.5
Relative Density (water=1):	0.985 at 20 °C
Solubility (in water):	Insoluble; 0.004 g/L at 20 °C
Partition coefficient: n-Octanol/water:	Log Pow: 8.39
Evaporation Rate (Butyl Acetate=1)	No data available
Kinematic Viscosity	No data available
Molecular Weight:	390.56 g/mol

Section 10: Stability and Reactivity

Stabilitv: Stable at room temperature and under normal conditions.

Hazardous Reactions: Thermally stable at typical use temperatures.

Conditions to Avoid: Avoid heat, sparks, open flames and other sources of ignition.

Incompatible Materials: Nitrates, strong oxidant, strong base, strong acid.

Decomposition Products: Carbon oxides.

Section 11: Toxicological Information

Potential Health Effects:

Inhalation: May cause respiratory irritation.

Skin Contact: May cause skin irritation.

Eye Contact: May cause eye irritation.

Ingestion: No data available

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

Numerical Measures of Acute Toxicity:

Route	Test	Subject	Value	Time
Oral	LD 50	Rat	> 5,000 mg/kg	
Dermal	LD 50	Guinea pig	> 19,680 mg/kg	

Additional Information:

RTEC #: WZ0883500

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	Pimephales promelas	> 984 mg/L	96 hours
	Aquatic invertebrates:	EC 50	Daphnia magna	0.0014 mg/L	48 hours
	Aquatic plants:	EC 50	Selenastrum capricornutum	> 0.86 mg/L	72 hours
	Micro-organisms:	EC 50	Sludge Treatment	> 10 mg/L	3 hours

Persistence and Degradability: Readily Biodegradable.

Bioaccumulative Potential: High potential for bioaccumulation.

Mobility in Soil: High potential for soil mobility.

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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