

# Safety Data Sheet

	Section 1: Identi	fication					
Product Name:	Dioctyl Phthalate (DOP)						
Synonyms:	Di (2-ethylhexyl) Phthalate (DEHP); Bis(2-ethyl	Di (2-ethylhexyl) Phthalate (DEHP); Bis(2-ethylhexyl) phthalate; Phthalic acid bis(2-ethylhexyl ester)					
CAS #:	117-81-7						
Chemical Formula:	C24H38O4						
Company:	AllChem Industries ICG, Inc. 6010 NW First Place Gainesville, FL 32607	Emergency Number:	CHEMTREC 800-424-9300				
Recommended Use:	Plasticizer.						
Restrictions on Use:	Prohibited in children's toys and childcare artic	les that contain more than 0.1 % o	of DEHP/DOP.				
	Section 2: Hazard Id	entification					
GHS Label elements:							
GHS Classification		Category					
Carcinogenicity		2					
Reproductive toxicit Pictogram:	У	1					
Signal Word:	Danger						
	rd Statement						
	ected of causing cancer						
	damage fertility or the unborn child						
Code Preca	utionary Statement						
	n special instructions before use.						
P202 Do no	t handle until all safety precautions have been r	ead and understood.					
P280 Wear	protective gloves/clothing and eye/face protect	ion.					
P308+ P313 IF exp	osed or concerned: Get medical advice/attentio	n.					
P405 Store	locked up.						
P501 Dispo	se of contents/container in accordance with loc	al/regional regulations.					
Other classifications:							

#### Other classifications:

NFPA Rating:		HMIS Rating:	
Health:	1	Health:	1
Fire:	1	Flammability:	1
Reactivity:	0	Physical:	0

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	Sect	ion 3: Composition / Info	ormation on Ingredients		
Component		CAS Number 117-81-7	<b>Concentration</b> 99.90 - 100 %	EC Number	
Dioctyl Phthalate	204-211-0				
		Section 4: First A	id Measures		
Inhalation:	If not b If breat	e to fresh air. reathing, apply artificial respir hing is difficult, give oxygen pr dical attention.	ation. rovided a qualified individual is p	present.	
Ingestion:	Never g	Γ induce vomiting unless direct give anything by mouth to an ι dical attention.	ed to do so by medical personn inconscious person.	el.	
Skin Contact:		kin with plenty of soap and wa dical assistance if symptoms o			
Eve Contact:		iately flush eyes with plenty of dical attention.	<sup>f</sup> water.		
Note to Physician:	Treat s	ymptomatically and supportive	ely.		
		Section 5: Fire Figh	ting Measures		
Extinguishing Media:	Use wa	ter spray, dry chemical, carbo	n dioxide, or alcohol resistant fo	am.	
	Do NO	Γuse solid water stream as it n	nay spread fire.		
	Contaiı	ter to cool exposed containers ners may explode in the heat o ire-exposed containers, if safe	f a fire.		
Special Protective Equipment:	: Wear a self-contained breathing apparatus MSHA/NIOSH (approved or equivalent), and full protective gear.				
Specific Hazards:			r must be disposed of in accorda to avoid inhalation of irritating/ł	_	
		Section 6: Accidental F	Release Measures		
Emergency Procedures:		Wear personal protection equi Avoid contact with skin, eyes a Avoid breathing vapors, mist o Ensure adequate ventilation.	nd clothing.		
Environmental Precautions:		Prevent further leakage or spill Do not let product enter soil, d	age if safe to do so. itches, sewers, waterways, or gr	oundwater.	
Methods of containment/clear			d place into appropriate contain and dispose of in accordance wit	-	
		Section 7: Handlin	g and Storage		
Handling:	Avoid c Avoid in Use onl	ersonal protection equipment ontact with eyes, skin and clot ngestion and inhalation. y in well-ventilated area. horoughly after handling.			
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Store tightly closed container in a cool, dry, well-ventilated area. Keep isolated from incompatible materials.

	Section 8: Ex	posure Controls /	Personal Protection		
Exposure Limits:	Regulator:	Test:	Allowance:		
	ACGIH	TWA	5 mg/m <sup>3</sup>		
	NIOSH	TWA	5 mg/m <sup>3</sup>		
	NIOSH	ST	10 mg/m <sup>3</sup>		
	OSHA	TWA	5 mg/m <sup>3</sup>		
	OSHA	STEL	10 mg/m <sup>3</sup>		
	-		ne concentrations low. e readily accessible to the work area.		
Personal Protective Equipment:					
-	ollow the OSHA re Intained breathing		ound in 29 CFR 1910.134. In confined areas, use a self-		
			clothing to prevent skin exposure.		
		protective eyeglasses outputs of the second se	or chemical safety goggles as described by OSHA's eye and L0.133.		
	Section 9	: Physical and Ch	emical Properties		
Physical State:	Liquid	b			
Color:	Clear	, colorless			
Odor:	Mild				
Odor Threshold:	Not d	letermined			
pH:	Not d	letermined			
Melting/Freezing Point:	-50 °C	2			
Boiling Point:	384 °	с			
Decomposition Temperature:	> 393	> 393 °C			
Flash Point:	216 °	с			
Auto-ignition Temperature:	382 °	с			
Flammability/Explosive Limits	: Lowe	r explosion limit: 0.3 S	% (V)		
Vapor Pressure:		101 Pa at 20 °C			
Vapor Density (air=1):	13.5				
Relative Density (water=1):	0.985	at 20 °C			
Solubility (in water):	0.1 g/				
Partition coefficient: n-Octan		Log Pow: 4.88			
Evaporation Rate (Butyl Aceta		Not determined			
Kinematic Viscosity	•	ata available			
Molecular Weight:					

Molecular Weight: 390.56 g/mol

Section 10: Stability and Reactivity

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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:	Nitrates, Strong oxidizing agents, strong alkali, and strong acids.	
Decomposition Products:	Carbon oxides.	

### **Potential Health Effects:**

Inhalation:	Not expected to be harmful.
Skin Contact:	Not expected to be harmful.
Eye Contact:	Not expected to be harmful.
Ingestion:	Not expected to be harmful.

#### **Numerical Measures of Acute Toxicity:**

<b>Route</b> Oral	<b>Test</b> LD 50	<b>Subject</b> Rat	<b>Value</b> > 5,000 mg/kg	Time
Inhalation	LC 50	Rat	> 10.62 mg/L	4 hours
Dermal	LD 50	Rabbit	19,800 mg/kg	

Section 11: Toxicological Information

#### **Additional Information:**

RTEC #:	TI0350000
Aspiration Toxicity:	Not classified based on available information.
Carcinogenicity:	IARC 2B: possibly carcinogenic to humans. NTP reasonably anticipated to be a carcinogen. OSHA Not Listed.
Germ cell mutagenicity:	Not classified based on available information.
Reproductive toxicity:	May damage fertility or the unborn child.
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.

Not classified based on available information.

## Section 12: Ecological Information

Ecotoxicity	Group	Test	Subject	Value	Time
	Fish:	LC 50	Pimephales promelas	> 0.67 mg/L	96 hours
	Fish:	LC 50	Oncorhynchus mykiss	> 0.32 mg/L	96 hours
	Fish:	LC 50	Cyprinodon variegatus	> 0.17 mg/L	96 hours
	Fish:	LC 50	Lepomis macrochius	> 0.20 mg/L	96 hours
	Aquatic invertebrates:	LC 50	Daphnia magna	> 0.16 mg/L	96 hours

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Aquatic pla	nts:	EC 50	Selenastrum capricornutum	> 0.10 mg/L	96 hours
Persistence and Degradability:	No data ava	ilable			
Bioaccumulative Potential:	No data ava	ilable.			
Mobility in Soil:	No data ava	ilable.			
		Section 13	: Disposal Considerations		
Packaging:	Empty conta	ainers may reta	ain product residue, follow label warr	nings even after	container is emptied.
Disposal:	Dispose of a	ccording to Fe	deral, State, and Local Regulations.		
	S	ection 14: 1	<b>Fransportation Information</b>		
The information in this	section is for	reference only	y and should not take the place of a k	bill of lading spe	cific to an order.
9, Packing Group III wh	ien material i	s shipped in sir	ngle package at or above RQ; otherwi	se, not regulate	d for transport.
UN #: Proper Shipping Name:	UN3082 Environmen	tally hazardou	ıs substance, liquid, n.o.s. (bis(2-Ethyl	hexyl) phthalate	2)
Transport Hazard Class: Packing Group: Labels & Placards: Marine Pollutant: Reportable Quantity:	9 III CLASS 9 (MI No 100 lbs.	SCELLANEOUS	HAZARDOUS MATERIAL)		
		Section 15	: Regulatory Information		
US Federal - TSCA:	This product	t is listed on th	e TSCA active inventory.		
California - Prop 65:	to the State	of California to	ou to chemicals, including Dioctyl Pht o cause cancer and birth defects or of 55Warnings.ca.gov.		
		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.