

MATERIAL SAFETY DATA SHEET

THE HALLSTAR COMPANY

Section 1 - Identification of Substance and Company

Product Name: PLASTHALL® DOP
Chemical Name: Di(2-ethylhexyl) Phthalate

Product Code: 1607

Supplier: The HallStar Company ⁽¹⁾
120 S. Riverside Plaza Suite 1620
Chicago, IL 60606 PH: 877-427-4255
USA

HMIS
Health: 2
Flammability: 1
Reactivity: 0
Gloves & Safety Glasses

Emergency Phone Numbers: The HallStar Company (708) 594-5999
CHEMTREC (transportation) (800)424-9300

Section 2 - Information on Ingredients

<u>Chemical Name</u>	<u>CAS #</u>
Di(2-ethylhexyl) Phthalate	117-81-7

Section 3 - Hazard Identification

Warning! – Possible human carcinogen. May cause cancer based on animal data.

Appearance/Odor: Colorless liquid; mild odor.

Potential Health Effects

Skin Contact: Repeated or prolonged skin contact may cause mild skin irritation.
Eye Contact: May cause slight eye irritation of susceptible persons.
Ingestion: May irritate mouth, throat and stomach.
Inhalation: May cause dizziness.

Section 4 - First Aid Measures

Skin Contact: Wash affected skin with soap and water. Seek medical attention if symptoms persist.
Eye Contact: Flush eyes with large amounts of water for at least 15 minutes. If irritation persists, consult a physician.
Ingestion: Rinse mouth immediately and then drink plenty of water. Do not induce vomiting. Seek medical advice.
Inhalation: Person should be moved to a fresh air environment.

Section 5 - Explosion and Fire-Fighting Measures

Flash Point: 200°C (DIN 51758)
LEL: 0.15% (V)
UEL: 0.18% (V)

Extinguishing Media: CO₂, Dry Chemical, Foam, or Water Spray

Product Name: PLASTHALL® DOP

Special Fire-Fighting Procedures: A MSHA/NIOSH approved self-contained breathing apparatus should be worn. Use water spray to cool fire-exposed containers.

Unusual Fire and Explosion Hazards: None

Section 6 - Accidental Release/Spill Procedures

Steps to be Taken in Case Material is Released or Spilled: Dike and contain the spill with inert material (i.e., sand, earth, sawdust) and transfer liquid and solid diking material to separate containers for recovery or disposal. Wash floor area with hot water solution. Remove contaminated clothing and wash before reuse. Wash affected skin areas with soap and water. Keep spills out of all sewers and bodies of water.

Section 7 - Handling and Storage

Any use of this product in an elevated process should be evaluated to establish and maintain safe operating procedures.

Keep from contact with oxidizing materials. Containers should be kept tightly closed and stored in a dry, well-ventilated place.

Section 8 - Personal Protection

OSHA Permissible Exposure Limit (PEL): 5 mg/m³ (Di(2-ethylhexyl) Phthalate)

ACGIH Time Weighted Average (TWA): 5 mg/m³ (Di(2-ethylhexyl) Phthalate)

Hand Protection: Neoprene or Viton Gloves

Respiratory Protection: Use a NIOSH approved respirator when exposure to mists or vapors is anticipated.

Eye Protection: Safety glasses

Engineering Measures: For normal operation, local exhaust ventilation should suffice. Direct exhaust may be necessary when material becomes heated and vapors are given off or PEL is exceeded.

Other: Eyewash facility in vicinity.

Section 9 - Physical and Chemical Properties

Boiling Point:	230°C (7 mbar)	Specific Gravity:	0.985
Flash Point (DIN 51758):	200°C	Freezing Point:	-50°C
Vapor Pressure (50°C):	0.00001 mbar	Solubility in Water (20°C):	0.003mg/L
Viscosity (20°C):	77-82 mPa.s		
Appearance/Odor:	Colorless liquid; mild odor		

Section 10 - Stability and Reactivity

Stability: This product is stable under normal conditions.

Conditions to Avoid: Reacts with strong oxidizers.

Hazardous Polymerization: Will not occur under normal circumstances.

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Section 11 - Toxicological Information

General: Di(2-ethylhexyl) phthalate [bis(2-ethylhexyl) phthalate; DEHP] is reasonably anticipated to be a human carcinogen based on sufficient evidence of carcinogenicity in experimental animals (NTP 217, 1982; IARC V.29, 1982; IARC S.7, 1987). When administered in the diet, di(2-ethylhexyl) phthalate increased the incidence of hepatocellular carcinomas in female rats, liver neoplastic nodules or hepatocellular carcinomas in male rats, and hepatocellular carcinomas in mice of both sexes. There are no adequate data available to evaluate the carcinogenicity of di(2-ethylhexyl) phthalate in humans (IARC V.29, 1982; IARC S.7, 1987).

Acute Toxicity:

Oral LD-50: (rat):	30,000 mg/kg
Skin Irritation (rabbit):	slight
Eye Irritation (rabbit):	slight

Section 12 - Ecological Information

Biodegradation: Readily biodegradable

Acute Aquatic Effects Data:

96h LC-50 (fathead minnow):	>0.67 mg/l	NOEC: 0.67 mg/l (limit of solubility in fresh water)
96h LC-50 (rainbow trout):	>0.32 mg/l	NOEC: 0.32 mg/l (limit of solubility in fresh water)

Section 13 - Disposal Considerations

Waste Disposal Methods: Do not discharge into waterways or sewers. Material should be disposed of in accordance to current local, state, and federal regulations. Contacting a waste disposal service is recommended.

Section 14 - Transport Information

DOT Name:	Environmentally hazardous substances, liquid, n.o.s.
DOT Technical Name:	bis(2-ethylhexyl) phthalate
DOT Class:	9
DOT ID Number:	UN 3082
DOT Packing Group:	III
Reportable Quantity:	100 lbs. – This product is not regulated when the quantity in one package is below the RQ.

Section 15 - Regulatory Information

OSHA Hazard Category: NTP listed carcinogen, PEL and ACGIH TLV established.

Toxic Substances Control Act (TSCA): This product is in compliance with the TSCA regulation of the United States.

Domestic Substance List (DSL): This product is listed on the DSL inventory of Canada.

Australian Inventory of Chemical Substances (AICS): This product is listed on the AICS inventory of Australia.

European Inventory of Existing Chemical Substances (EINECS): This product is listed on the EINECS inventory of Europe (#204-211-0).

MITI (Japanese Handbook of Existing and New Chemical Substances): This product is listed in the Handbook or has been approved in Japan by new substance notification.

Product Name: PLASTHALL® DOP

CERCLA Reportable Quantity : 100 lbs. di(2-ethylhexyl) phthalate

Superfund Amendments and Reauthorization Act (SARA): This product has the following hazards as defined in Section 311/312 of 40 CFR Part 372:

Hazards

Acute Health Hazard

Chronic Health Hazard

This product contains the following chemicals subject to the reporting requirements of Section 313 or Title III of SARA and 40 CFR Part 372:

Ingredients

di(2-ethylhexyl) phthalate

California Proposition 65: This product contains the following substances known to the State of California to cause cancer, birth defects, or other reproductive harm per the Safe Drinking Water and Toxic Enforcement Act of 1986:

Ingredients

di(2-ethylhexyl) phthalate

Section 16 - Other Information

Prepared By: AAC

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updated sect. 14.

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All information is presented in good faith using available information. The HallStar Company makes no representation of the accuracy or completeness of the information. The user should consider this information as a supplement to other information that may be available. User should also determine suitability of information in their situation to determine proper use and disposal, protection of persons and the environment.

⁽¹⁾ Affiliated companies include RTD*HallStar Company, HallStar Solutions Corp., Ester Solutions Company, Memphis Solutions Company and Marine Magnesium & Minerals Company.