

ATTN: Suzy Sharp.

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MATERIAL SAFETY DATA SHEET
ESTER SOLUTIONS COMPANY**Section 1 - Identification of Substance and Company****Product Name:** PLASTHALL® DIDP**Product Code:** 1567**Chemical Name:** Diisodecyl Phthalate**Supplier:** Ester Solutions Co.
5851 West 73rd Street
Bedford Park, Illinois 60499 PH: 877-4CP-HALL
USA**HMIS**

Health: 1

Flammability: 1

Reactivity: 0

Gloves & Safety Glasses

Emergency Phone Numbers: Ester Solutions Co: (708)594-5999
CHEMTREC (transportation) (800)424-9300**Section 2 - Information on Ingredients**

<u>Chemical Name</u>	<u>CAS #</u>
Diisodecyl Phthalate	68515-49-1

Section 3 - Hazard Identification**Appearance/Odor:** Clear liquid; mild odor.**CAUTION:** Generally recognized as a low potential industrial hazard. May cause mild eye and skin irritation.**Potential Health Effects****Skin Contact:** Repeated or prolonged skin contact may cause skin irritation.**Eye Contact:** May cause mild eye irritation of susceptible persons.**Ingestion:** Not expected to be toxic; however, may cause nausea, vomiting and diarrhea.**Inhalation:** Exposure hazard potential is regarded to be low. However, if product is heated, misted or sprayed, and concentrations exceed the recommended exposure limit, it may become irritating to the mucous membranes of the upper respiratory tract.**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:** If conscious, give 1-2 glasses of milk or water and induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.**Inhalation:** Person should be moved to a fresh air environment. Seek medical attention.

Product Name: PLASTHALL® DIDP

Section 5 - Explosion and Fire-Fighting Measures

Flash Point (COC): 450° F
Extinguishing Media: CO₂, Dry Chemical, Water Fog, Foam
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: Solid streams of water directed at burning liquid may cause frothing.

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

Handling: No special handling precautions.

Storage: Containers should be kept tightly closed and stored in a dry well-ventilated place.

Section 8 - Personal Protection

Permissible Exposure Limits: OSHA PEL: 5mg/m³* (*for similar phthalate esters)

Hand Protection: Neoprene, natural rubber or nitrile gloves

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

Eye Protection: Safety glasses or face shield

Engineering Measures: For normal operation, local exhaust ventilation should suffice. Direct exhaust when exposure is above the OSHA PEL.

Other: Eyewash facility in vicinity.

Section 9 - Physical and Chemical Properties

Boiling Point @5mm Hg: 542°F

Flash Point (COC): 450°F

% Volatile by Vol: N/A

Vapor Pressure (20°C): Negligible

Appearance/Odor: Clear liquid; mild odor

Specific Gravity: 0.965

Evaporation Rate: N/A

Solubility in Water: Negligible

pH: N/A

Product Name: PLASTHALL® DIDP

Section 10 - Stability and Reactivity

Stability: This product is stable under normal conditions.
Conditions to Avoid: None known
Hazardous Decomposition
Products: Possibly carbon monoxide, carbon dioxide and organic acids.
Hazardous Polymerization: Will not occur under normal circumstances.

Section 11 - Toxicological Information

The dietary administration of DIDP to rats has been demonstrated to produce hepatomegaly, proliferation of hepatic peroxisomes and alterations in serum triglyceride and cholesterol levels (British Industrial Biological Research Assoc. Confidential Report, No. 0495/5/85 to the Chemical Manufacturers Association, June 1985).

DIDP was tested on *Bacillus subtilis* and *E. coli* for repair and on *E. coli* and *Salmonella typhimurium* for mutation. All studies produced negative results (Env. Health Perspectives 17:203, 1976)

Laboratory animal studies have shown that DIDP may cause adverse reproductive effects at high doses (Environ. res. 9:1, 1975)

Section 12 - Ecological Information

This product does not contain any ozone depleting compounds (ODC's).

EC or LC₅₀: >0.02 mg/L, (mortality) 48 hr. static, *Daphnia magna*
>1.0 mg/L, (mortality) 96hr flow-thru, *P. promelas*

Section 13 - Disposal Considerations

Waste Disposal Methods: Material should be disposed of in accordance to current local and national regulations. Contacting a waste disposal service is recommended.

Section 14 - Transport Information

Not classified as hazardous according to the Department of Transportation Regulations.

Section 15 - Regulatory Information

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.

Product Name: PLASTHALL® DIDP

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

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

None

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

None

Section 16 - Other Information

Prepared By: AAC

Revision Date: 07/04

Company Name Change

Supersedes: 05/04

All information is presented in good faith using available information. Ester Solutions 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.