

# DIISOCTYL PHTHALATE

DIO

CAUTIONARY RESPONSE INFORMATION				4. FIRE HAZARDS	7. SHIPPING INFORMATION								
Common Synonyms Corflex 880 Di-(6-methylheptyl) phthalate Flexol plasticizer DIOP Hexaplas M/O Bis-(6-Methylheptyl) phthalate	Oily liquid Floats on water.	Colorless	Slight odor	<p>4.1 Flash Point: 450°F C.C.          4.2 Flammable Limits in Air: Not pertinent          4.3 Fire Extinguishing Agents: Dry chemical, carbon dioxide, foam.          4.4 Fire Extinguishing Agents Not to Be Used: Water or foam may cause frothing          4.5 Special Hazards of Combustion Products: None          4.6 Behavior in Fire: Not pertinent          4.7 Auto Ignition Temperature: Currently not available          4.8 Electrical Hazards: Not pertinent          4.9 Burning Rate: Currently not available          4.10 Adiabatic Flame Temperature: Currently not available          4.11 Stoichiometric Air to Fuel Ratio: 149.9 (calc.)          4.12 Flame Temperature: Currently not available          4.13 Combustion Molar Ratio (Reactant to Product): 43.0 (calc.)          4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed</p>	<p>7.1 Grades of Purity: Currently not available          7.2 Storage Temperature: Ambient          7.3 Inert Atmosphere: No requirement          7.4 Venting: Open (flame arrester)          7.5 IMO Pollution Category: Currently not available          7.6 Ship Type: Currently not available          7.7 Barge Hull Type: Currently not available</p>								
Call fire department. Notify local health and pollution control agencies.				8. HAZARD CLASSIFICATIONS									
Fire	Combustible. Extinguish with dry chemical, foam, or carbon dioxide.				<p>8.1 49 CFR Category: Not listed          8.2 49 CFR Class: Not pertinent          8.3 49 CFR Package Group: Not listed.          8.4 Marine Pollutant: No          8.5 NFPA Hazard Classification:</p> <table> <tr> <td>Category</td> <td>Classification</td> </tr> <tr> <td>Health Hazard (Blue).....</td> <td>0</td> </tr> <tr> <td>Flammability (Red).....</td> <td>1</td> </tr> <tr> <td>Instability (Yellow).....</td> <td>0</td> </tr> </table>	Category	Classification	Health Hazard (Blue).....	0	Flammability (Red).....	1	Instability (Yellow).....	0
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Health Hazard (Blue).....	0												
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Exposure	Not harmful.				<p>8.6 EPA Reportable Quantities: Not listed.          8.7 EPA Pollution Category: Not listed.          8.8 RCRA Waste Number: Not listed          8.9 EPA FWCNA List: Not listed</p>								
Water Pollution	Effect of low concentrations on aquatic life is unknown. Fouling to shoreline. May be dangerous if it enters water intakes. Notify local health and waterlife officials. Notify operators of nearby water intakes.				9. PHYSICAL & CHEMICAL PROPERTIES								
1. CORRECTIVE RESPONSE ACTIONS		2. CHEMICAL DESIGNATIONS											
Stop discharge Contain Collection Systems: Skim Chemical and Physical Treatment: Absorb Clean shore line Salvage waterfowl		<p>2.1 CG Compatibility Group: 34; Ester          2.2 Formula: <math>\text{O-C}_6\text{H}_4(\text{COOC}(\text{CH}_3)_2\text{CH}_2)_2</math>          2.3 IMO/UN Designation: Not listed          2.4 DOT ID No.: Not listed          2.5 CAS Registry No.: 27554-26-3          2.6 NAERG Guide No.: Not listed          2.7 Standard Industrial Trade Classification: 51385</p>											
3. HEALTH HAZARDS													
<p>3.1 Personal Protective Equipment: Not required          3.2 Symptoms Following Exposure: Produces no ill effects at normal temperatures but may give off irritating vapor at high temperature.          3.3 Treatment of Exposure: Leave contaminated area; wash skin with soap and water; flush eyes with water.          3.4 TLV-TWA: Not listed.          3.5 TLV-STEL: Not listed.          3.6 TLV-Ceiling: Not listed.          3.7 Toxicity by Ingestion: Grade 0; LD<sub>50</sub> = 22 g/kg (rat)          3.8 Toxicity by Inhalation: Currently not available.          3.9 Chronic Toxicity: Not established          3.10 Vapor (Gas) Irritant Characteristics: Nonirritating to the eyes and throat.          3.11 Liquid or Solid Characteristics: No appreciable hazard. Practically harmless to the skin.          3.12 Odor Threshold: Currently not available          3.13IDLH Value: Not listed.          3.14 OSHA PEL-TWA: Not listed.          3.15 OSHA PEL-STEL: Not listed.          3.16 OSHA PEL-Ceiling: Not listed.          3.17 EPA AEGL: Not listed</p>													
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5. CHEMICAL REACTIVITY													
<p>5.1 Reactivity with Water: No reaction          5.2 Reactivity with Common Materials: No reaction          5.3 Stability During Transport: Stable          5.4 Neutralizing Agents for Acids and Caustics: Not pertinent          5.5 Polymerization: Not pertinent          5.6 Inhibitor of Polymerization: Not pertinent</p>													
6. WATER POLLUTION													
<p>6.1 Aquatic Toxicity: Currently not available          6.2 Waterfowl Toxicity: Currently not available          6.3 Biological Oxygen Demand (BOD): Currently not available          6.4 Food Chain Concentration Potential: None          6.5 GESAMP Hazard Profile:          Bioaccumulation: 0          Damage to living resources: 0          Human Oral hazard: 0          Human Contact hazard: II          Reduction of amenities: XX</p>													
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9. PHYSICAL & CHEMICAL PROPERTIES													
<p>9.1 Physical State at 15°C and 1 atm: Liquid          9.2 Molecular Weight: 390.62          9.3 Boiling Point at 1 atm: 1288°F = 698°C = 971°K          9.4 Freezing Point: Currently not available          9.5 Critical Temperature: Not pertinent          9.6 Critical Pressure: Not pertinent          9.7 Specific Gravity: Currently not available          9.8 Liquid Surface Tension: Currently not available          9.9 Liquid Water Interfacial Tension: Currently not available          9.10 Vapor (Gas) Specific Gravity: Not pertinent          9.11 Ratio of Specific Heats of Vapor (Gas): Not pertinent          9.12 Latent Heat of Vaporization: Not pertinent          9.13 Heat of Combustion: Currently not available          9.14 Heat of Decomposition: Not pertinent          9.15 Heat of Solution: Not pertinent          9.16 Heat of Polymerization: Not pertinent          9.17 Heat of Fusion: Currently not available          9.18 Limiting Value: Currently not available          9.19 Reid Vapor Pressure: Low</p>													
NOTES													

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9.20 SATURATED LIQUID DENSITY		9.21 LIQUID HEAT CAPACITY		9.22 LIQUID THERMAL CONDUCTIVITY		9.23 LIQUID VISCOSITY	
Temperature (degrees F)	Pounds per cubic foot	Temperature (degrees F)	British thermal unit per pound-F	Temperature (degrees F)	British thermal unit inch per hour-square foot-F	Temperature (degrees F)	Centipoise
CURRENTLY NOT AVAILABLE			CURRENTLY NOT AVAILABLE		CURRENTLY NOT AVAILABLE		CURRENTLY NOT AVAILABLE

9.24 SOLUBILITY IN WATER		9.25 SATURATED VAPOR PRESSURE		9.26 SATURATED VAPOR DENSITY		9.27 IDEAL GAS HEAT CAPACITY	
Temperature (degrees F)	Pounds per 100 pounds of water	Temperature (degrees F)	Pounds per square inch	Temperature (degrees F)	Pounds per cubic foot	Temperature (degrees F)	British thermal unit per pound-F
CURRENTLY NOT AVAILABLE			CURRENTLY NOT AVAILABLE		CURRENTLY NOT AVAILABLE	0 25 50 75 100 125 150 175 200 225 250 275 300 325 350 375 400 425 450 475 500 525 550 575 600	0.282 0.293 0.304 0.315 0.325 0.336 0.347 0.358 0.368 0.379 0.390 0.401 0.411 0.422 0.433 0.444 0.454 0.465 0.476 0.487 0.497 0.508 0.519 0.530 0.540