

## 1. Product and Company Identification

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Product Name Di Octyl Phthalate  
Part Number RXSOL-19-1928-200

### Company Details:

**RX MARINE INTERNATIONAL**  
**105, A wing , BSEL , TECH PARK.**  
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## 2. Composition / Information on ingredients

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Ingredient	CAS Number	Weight Percentage
Di Octyl Phthalate	117-81-7	32%

**Toxicological Data on Ingredients:** Dioctyl phthalate: ORAL (LD50): Acute: 30000 mg/kg [Rat]. >30000 mg/kg [Mouse]. 34000 mg/kg [Rabbit]. DERMAL (LD50): Acute: 25000 mg/kg [Rabbit].

## 3. Hazards Identification

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Signal Word	Hazardus
Potential Acute Health Effects:	Slightly hazardous in case of skin contact (irritant), of eye contact and/or inhalation.
Potential Chronic Health Effects:	CARCINOGENIC EFFECTS: Classified A3 (Proven for animals, but not for humans) by NTP. 3 (Not classifiable for human.) MUTAGENIC: Mutagenic for bacteria and/or yeast. TERATOGENIC: No data available. DEVELOPMENTAL TOXICITY: Not available. The subacute or prolonged exposure to the substance can produce target organ effects.
Skin	May cause skin irritation. May be harmful if absorbed through skin. Skin testing showed no irritation or sensitization.
Eyes	May cause eye irritation.
Inhalation	May be harmful if inhaled.
Ingestion	May cause irritation of the digestive tract. May be harmful if swallowed.

## 4. First Aid Measures

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Skin	Wash with soap and water. Cover the irritated skin with an ointment. If irritation develops, seek medical attention.
Eyes	Check for and remove any contact lenses. In case of contact with eyes, flush with water for at least 15 minutes. Get medical attention if irritation persists.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. If fully conscious and able to swallow, give small sips of water. Do not give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, or necktie.

## 5. Fire-fighting Measures

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Flammability of the Product:	May be combustible at high temperature.
Auto-Ignition Temperature:	390.56°C (735°F)
Flash Points:	CLOSED CUP: 207°C (404.6°F). OPEN CUP: 215.56°C (420°F) - 218 C (Cleveland).
Flammable Limits:	LOWER: 0.3%
Products of Combustion:	These products are carbon oxides (CO, CO2).
Fire Hazards in Presence of Various Substances:	Slightly flammable to flammable in presence of open flames and sparks, of heat. Non-flammable in presence of shocks.
Explosion Hazards in Presence of Various Substances:	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product static discharge: Not available.
Fire Fighting Media and Instructions:	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Special Remarks on Fire Hazards:	When heated to decomposition it emits acrid smoke and irritating fumes.

## 6. Accidental Release Measures

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Small Spillage	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Large Spillage	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a level above TLV. Check TLV on the MSDS and with local authorities.

## 7. Handling and Storage

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Handling	Keep locked up.. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from such as oxidizing agents.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.
Incompatibilities	Storage away from oxidizers and other incompatible materials such as bases.

## 8. Exposure controls and personal protection

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Engineering Control	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Personal Protective Equipment	
Skin Protection	Wear appropriate protective gloves to prevent skin exposure.
Eye Protection	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulation 29 CFR 1910.133 or European Standard EN166.
Respiratory Protection	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
Exposure Limit	TWA: 5 (mg/m3) from ACGIH (TLV) [United States] TWA: 5 (mg/m3) from OSHA (PEL) [United States] TWA: 5 (mg/m3) from NIOSH [United States]3 Consult local authorities for acceptable exposure limits.



## Gloves Suit

### 9. Physical and chemical properties

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Appearance	Colourless to Light Yellow
Physical State	Liquid
Molecular Weight	390.54 g/Mole
Chemical Formula	C <sub>24</sub> H <sub>38</sub> O <sub>4</sub>
Odor	Slight
pH	Not Applicable
Boiling Point	384°C (723.2°F)
Freezing point	-55 C to -46°C (-50.8°F)
Critical Temperature:	Not Available
Specific Gravity	0.9861 (Water = 1)
Vapor Pressure	0 kPa (@ 20°C)
Vapor Density (Air = 1.0)	16.0
Evaporation Rate	Not Available
Volatiles	Not Available
Odor Threshold	Not Available
Water/Oil Dist. Coeff.	The product is more soluble in oil; log(oil/water) = 7.6
Ionicity (in Water)	Not Available
Dispersion Properties	Not Available
Solubility:	Insoluble in cold water. It is miscible in mineral oil, and hexane. It is slightly soluble in carbon tetrachloride.

### 10. Stability and reactivity

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Stability Of Product	The product is stable.
Instability Temperature:	Not Available
Conditions of Instability	Excess heat, ignition sources, incompatible materials
Incompatibility with various substances	Reactive with oxidizing agents.
Corrosivity:	Non-corrosive in presence of glass.
Special Remarks on Reactivity	Not Available
Polymerization	Will not occur.

### 11. Toxicological information

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Routes of Entry:	Absorbed through skin. Eye contact.
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Toxicity to Animals:	Acute oral toxicity (LD50): 30000 mg/kg [Rat]. Acute dermal toxicity (LD50): 25000 mg/kg [Rabbit].
Chronic Effects on Humans:	CARCINOGENIC EFFECTS: Classified A3 (Proven for animal.) by ACGIH. Classified 2 (Some evidence.) by NTP. (Not classifiable for human.) by IARC. MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast. May cause damage to organs: liver.
Other Toxic Effects on Humans:	Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.
Special Remarks on Chronic Effects on Humans:	Testicular damage in animal. May cause adverse reproductive effects and birth defects (teratogenic). May affect genetic material (mutagenic). May cause cancer based on animal test data
Special Remarks on other Toxic Effects on Humans:	Acute Potential Health Effects: Skin: It may cause mild skin irritation. It is not easily absorbed through human skin. Eyes: mild eye irritation. Inhalation: At significant concentrations, it may cause upper respiratory tract (nose, throat) and mucous membrane irritation. Acute larger inhalation exposure may result in tachypnea or dyspnea. Ingestion: Considered innocuous at small doses. Not a hazard for normal industrial handling. May cause digestive tract irritation with mild gastric disturbances and diarrhea following ingestion of larger doses. CNS depression may occur if large amounts of phthalate esters are absorbed. CHRONIC Health Effects: Ingestion: Prolonged or repeated ingestion may affect the liver

## 12. Ecological information

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Ecotoxicity:	Ecotoxicity in water (LC50): 0.7 mg/l 96 hours [Lepomis macrochirus]. >100 mg/l 96 hours [Channel catfish]. >100 mg/l 96 hours [Trout].
BOD5 and COD:	Not Available
Products of Biodegradation:	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation:	The product itself and its products of degradation are not toxic
Special Remarks on the Products of Biodegradation:	Not available.

## 13. Disposal considerations

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Disposal Condition	Waste must be disposed of in accordance with federal regulations.
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## 14. Transport information

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UN Number	UN3082
DOT Classification	Not a DOT controlled material (United States).
Hazard Class	9
Packing Group	III
Special Provisions for Transport:	Not applicable.

## 15. Regulatory information

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Federal and State Regulations:	California prop. 65: This product contains the following chemicals which California has found to cause cancer, birth defects or other reproductive harm. You are advised to avoid breathing dusts. You may require a warning under the statute: Dioctyl phthalate Ca
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Other Regulations:

Other Classifications:

WHMIS Canada

DSCL (EEC):

HMIS (U.S.A.):

National Fire Protection Association (U.S.A.):

Protective Equipment:

the following ingredients for which the State of California require a warning under the statute: Dioctyl phthalate C Dioctyl phthalate Illinois toxic substances disclosure to chemical safety act: Dioctyl phthalate New York release Island RTK hazardous substances: Dioctyl phthalate Minnesota: Dioctyl phthalate Massachusetts RTK: Dioctyl phthalate New Jersey: Dioctyl phthalate New Jersey spill reporting: Dioctyl phthalate California Director's phthalate TSCA 8(b) inventory: Dioctyl phthalate TSCA 8 and S data reporting: Dioctyl phthalate: Effective date: 1 toxic chemical notification and release reporting: Dioctyl substances.: Dioctyl phthalate:

OSHA: Hazardous by definition of Hazard Communication EINECS: This product is on the European Inventory of Existing Substances.

Reportable Quantities (RQs) and/or Threshold Planning following ingredients.

CLASS D-2A: Material causing other toxic effects (VERY

R60- May impair fertility. R61- May cause harm to the unborn if you feel unwell, seek medical advice immediately (short exposure - obtain special instructions before use.

Health Hazard: 1

Fire Hazard: 1

Reactivity: 0

Personal Protection: a

Health Hazard: 0

Fire Hazard: 1

Reactivity: 0

Not applicable. Lab coat. Wear appropriate respirator glasses.

## 16. Other information

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