

1. Product and Company Identification

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Product Name Dioctyl terephthalate
Part Number RXSOL-60-1555-210

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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Product name	Cas No	EC No	Weight	Formula
Dioctyl terephthalate	6422-86-2	229-176-9	390,56 g/mol	C ₂₄ H ₃₈ O ₄

3. Hazards Identification

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Signal Word	No data available
Hazard Statements	No data available
Precautionary statements	No data available
Classification of the substance or mixture	No data available
Supplemental Hazard Statements	No data available
Other hazards	No data available

4. First Aid Measures

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General advice	No data available
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
Eye Contact	Flush eyes with water as a precaution.
Swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water
Skin Contact	Wash off with soap and plenty of water.
Inhalation	No data available
Ingestion	No data available
Most important symptoms and effects, both acute and delaye	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
Indication of any immediate medical attention and special treatment needed	No data available

5. Fire-fighting Measures

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Flammability	No data available
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	No data available
Special hazards arising from the substance or mixture	Carbon oxides
Further information	No data available
Hazardous combustion products	No data available
Advice for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.
Protective Equipment	No data available
Specific Hazards Arising from the Chemical	No data available

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures	Avoid breathing vapors, mist or gas. For personal protection see section 8..
Spillage	No data available
Personal Protection	No data available
Environmental Precaution	No special environmental precautions required.
Methods and materials for containment and cleaning	Keep in suitable, closed containers for disposal.
Reference to other sections	For disposal see section 13.

7. Handling and Storage

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Advice on protection against fire and explosion	No data available
Incompatible materials	No data available
Hygiene measures	No data available
Advice on safe handling	For precautions see section 2.2.
Conditions for safe storage including any incompatibilities	No data available
Storage conditions	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. .
Storage class	Storage class (TRGS 510) 10 Combustible liquids
Specific end use(s)	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated
Advice on general occupational hygiene	No data available

8. Exposure controls and personal protection

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Exposure controls	Personal protective equipment
Engineering Control	No data available
Eye/face protection	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Body Protection	Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Skin protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the

Respiratory protection

specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Other Protection Measure

No data available

9. Physical and chemical properties

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Physical state	Liquid
Colour	Colorless
Odour	Slight
Odor Threshold	No data available
pH	No data available
Melting Point	< -67,2 °C at 1013,250 hPa
Boiling Point	400 °C - lit.
Flash Point	212 °C - closed cup
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Explosive limits	No data Available
Upper/lower flammability or explosive limits	No data available
Autoignition temperature	387 °C at 980 hPa
Decomposition temperature	No data available
Vapour pressure	No data available
Viscosity	No data available
Density	0,986 g/cm ³ at 25 °C - lit
Relative Density	No data available
Specific Gravity	No data available
Partition coefficient	No data available
Explosive properties	No data available
Solubility	0,0004 g/l at 22,5 °C - insoluble
Ignition temperature	No data available
Particle characteristics	No data available

10. Stability and reactivity

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Reactivity	No data available
Chemical stability	The product is chemically stable under standard ambient conditions (room temperature)
Possibility of hazardous reactions	No data available
Conditions to avoid	No data available
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	In the event of fire see section 5

11. Toxicological information

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Acute toxicity	LD50 Oral - Rat - male and female - > 5.000 mg/kg Inhalation: No data available LD50 Dermal - Guinea pig - > 19.680 mg/kg LD50 Intraperitoneal - Rat - male - > 3.200 mg/kg
Skin corrosion/irritation	Skin - Rabbit Result: No skin irritation - 4 h (OECD Test Guideline 404)
Serious eye damage/irritation	Eyes - Rabbit Result: Mild eye irritation (OECD Test Guideline 405)

Respiratory or skin sensitization	No data available
Carcinogenicity	No data available
Germ cell mutagenicity	Test system: S. typhimurium Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negativ
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Additional Information	RTECS: WZ0883500 To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. Ecological information

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Persistence and degradability	Biodegradability aerobic - Exposure time 28 d Result: 73,05 % - Readily biodegradable. (OECD Test Guideline 301B)
Toxicity to fish	static test LC50 - Pimephales promelas (fathead minnow) - > 984 mg/l - 96 h (OECD Test Guideline 203)
Toxicity to daphnia and other aquatic invertebrates	Immobilization EC50 - Daphnia magna (Water flea) - 0,0014 mg/l - 48 h (OECD Test Guideline 202)
Toxicity	No data available
Toxicity to bacteria	Respiration inhibition EC50 - Sludge Treatment - > 10 mg/l - 3 h (OECD Test Guideline 209)
Toxicity to algae	Growth inhibition EC50 - Selenastrum capricornutum (green algae) - > 0,86 mg/l - 72 h (OECD Test Guideline 201)
Products Biodegradation	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Endocrine disrupting properties	No data available
Other adverse effects	No data available

13. Disposal considerations

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Product	Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging	Dispose of as unused product.
Waste treatment Method	No data available

14. Transport information

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UN number	ADR/RID:-	IMDG:-	IATA:-
UN proper shipping name	ADR/RID:Not dangerous goods	IMDG:Not dangerous goods	IATA:Not dangerous goods
Transport hazard class(es)	ADR/RID:-	IMDG:-	IATA:-
Packaging group	ADR/RID:-	IMDG:-	IATA:-
Environmental hazards	ADR/RID:No	IMDG:No	IATA:No
Special precautions for user	No data available		
Further information	No data available		

15. Regulatory information

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Safety, health and environmental regulations/legislation specific for the substance or mixture	This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.
Other regulations	No data available

16. Other information

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Other Information

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