

1. Product and Company Identification

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Product Name DI OCTYL PHTHALATE
Part Number RXSOL-18-1149-025

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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Chemical Name	CAS	EC number	Weight%	Formula
Bis(2-ethylhexyl) phthalate Phthalic acid bis(2-ethylhexyl ester)	117-81-7	204-211-0	20.000 mg/kg (OECD Test Guideline 401) LC0 Inhalation - Rat - male and female - 4 h - > 10,62 mg/l - vapor (OECD Test Guideline 403) Remarks: (highest concentration to be prepared) LD50 Dermal - Rabbit - 19.800 mg/kg Remarks: (ECHA)	
Skin corrosion/irritation	Skin - Rabbit Result: slight irritation - 4 h (OECD Test Guideline 404)			
Serious eye damage/eye irritation	Eyes - Rabbit Result: No eye irritation - 72 h (OECD Test Guideline 405) .			
Respiratory sensitization	or skin	Maximization Test - Guinea pig Result: negative (OECD Test Guideline 406) - Mouse Result: Does not cause respiratory sensitization. Remarks: (ECHA).		
Serious eye damage/eye irritation	No data available			
Toxicity to Animal	Not classified			
Toxic Effects on Human	May cause damage to the following organs: upper respiratory tract. Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant, sensitizer), of ingestion, of inhalation (lung irritant, lung sensitizer).			
Germ cell mutagenicity	Test Type: In vitro mammalian cell gene mutation test Test system:			

	<p>Mouse lymphoma test</p> <p>Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 476 Result: negative Test Type: Ames test Test system: Salmonella typhimurium Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative Test Type: Mutagenicity (mammal cell test): chromosome aberration. Test system: Chinese hamster ovary cells Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 473 Result: negative Test Type: sister chromatid exchange assay Test system: Chinese hamster ovary cells Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 479 Result: negative Test Type: Micronucleus test Test system: Chinese hamster lung cells Metabolic activation: with and without metabolic activation Result: negative Remarks: (ECHA) Test Type: Chromosome aberration test Species: Rat Cell type: Bone marrow Application Route: Oral Method: OECD Test Guideline 475 Result: negative</p>
Carcinogenicity	<p>This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification.</p>
Reproductive toxicity	<p>May damage the unborn child. May damage fertility.</p>
Specific target organ toxicity - single exposure	<p>No data available</p>
Special Remarks on other Toxi Effects on Humans	<p>Acute Potential Health Effects: Skin: Causes skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. Eyes: Causes eye irritation. Ingestion: Causes gastrointestinal (digestive) tract irritation with nausea, vomiting, and diarrhea. May be harmful if swallowed. Inhalation:</p>

	Causes respiratory tract irritation. May cause chemical pneumonitis and pulmonary edema, inflammation, edema of bronchi and larynx. Chronic Potential Health Effects: Repeated or prolonged skin exposure may cause allergic reactions in sensitive individuals. Repeated or prolonged exposure by inhalation may affect respiration and metabolism.
Additional Information	Endocrine disrupting properties
Endocrine disrupting properties	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. Repeated dose toxicity - Rat - male and female - NOAEL (No observed adverse effect level) - 6 mg/kg
Aspiration hazard	No data available

12. Ecological information

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Persistence and degradability	Biodegradability aerobic - Exposure time 29 d Result: 82 % - Readily biodegradable. (OECD Test Guideline 301B)
Toxicity to bacteria	Static test NOEC - activated sludge - 1.000 mg/l - 3 h (OECD Test Guideline 209)
Bioaccumulative potential	Bioaccumulation Oncorhynchus mykiss (rainbow trout) - 100 d - 0,014 mg/l(Bis(2-ethylhexyl) phthalate) Bioconcentration factor (BCF): 113 Remarks: Does not bioaccumulate.
Toxicity to fish	Flow-through test LC50 - Pimephales promelas (fathead minnow) - > 0,67 mg/l - 96 h (OECD Test Guideline 203) Remarks: (above the solubility limit in the test medium)
Toxicity to daphnia and other aquatic invertebrates	Immobilization EC50 - Daphnia magna (Water flea) - > 0,16 mg/l - 48 h Remarks: (ECOTOX Database)
Toxicity to algae	EC50 - Pseudokirchneriella subcapitata - > 0,003 mg/l - 72 h (OECD Test Guideline 201)
Eco Toxicity	Not Available
COD and BOD 5	Not Available
Products Biodegradation	The methods for determining the biological degradability are not applicable to inorganic substances.
Mobility in soil	No additional information available
Results of PBT and vPvB assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Endocrine disrupting properties	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher

13. Disposal considerations

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Disposal methods

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

Contaminated packaging

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

Waste disposal

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

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

Transport hazard class(es)

IATA: Not dangerous goods

ADR

ADR/RID: IMDG: IATA:

Packing group

Not regulated Exempt under special provision 62

IATA

ADR/RID: IMDG: IATA:

Environmental hazards

Not regulated Exempt under special provision A16

ADR/RID: no

IMDG Marine pollutant: no

Special precautions for user

IATA: no

Maritime transport in bulk according to IMO instruments

No special precautions required

Not applicable, packaged goods

15. Regulatory information

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Safety, health and environmental regulations/legislation specific for the substance or mixture

EU-Regulations No REACH Annex XVII restrictions SODA LIME WITH INDICATOR AR is not on the REACH Candidate List SODA LIME WITH INDICATOR AR is not on the REACH Annex XIV List

Safety, health and environmental regulations specific for the product in question

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

National legislation

Germany 12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance) Denmark Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product

Authorisations and/or restrictions on use

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Bis(2-ethylhexyl) phthalate This product contains a substance listed on Annex XIV of the REACH Regulation (EC) Nr. 1907/2006. Listed substance / Sunset Date : Bis(2-ethylhexyl) phthalate / 21.02.2015 After the sunset date the use of this substance requires either an authorization or can only be used for exempted uses, e.g. use in scientific research and development which includes routine analytics or use as intermediate. REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous

	substances, mixtures and articles (Annex XVII) : Bis(2-ethylhexyl) phthalate
Other regulations	Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable. Take note of Dir 94/33/EC on the protection of young people at work.
Chemical Safety Assessment	For this product a chemical safety assessment was not carried out

16. Other information

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Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages.

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