

1. Product and Company Identification

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Product Name Butyl Benzyl Phthalate
Part Number RXSOL-19-1248-025

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
Benzyl butyl phthalate	85-68-7	201-622-7	10.000 mg/kg (RTECS)	Remarks:
Skin corrosion/irritation	Skin - In vitro study Result: No skin irritation Remarks: (ECHA)			
Serious eye damage/eye irritation	No data available			
Respiratory sensitization or skin sensitization	Sensitisation test: - Guinea pig Result: negative Remarks: (ECHA)			
Toxicity to Animal	WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE Acute oral toxicity (LD50): 689 mg/kg [Rat].			
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).			
Carcinogenicity	No data available			
Germ cell mutagenicity	Test Type: Ames test Test system: S. typhimurium Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative Test Type: In vitro mammalian cell gene mutation test Test system: mouse lymphoma cells Metabolic activation: with and without metabolic			

activation Method: US-EPA
Result: negative Test Type:
Chromosome aberration test
in vitro Test system: Chinese
hamster ovary cells
Metabolic activation: with
and without metabolic
activation Method: US-EPA
Result: negative Test Type:
sister chromatid exchange
assay Test system: Chinese
hamster ovary cells
Metabolic activation: with
and without metabolic
activation Method: US-EPA
Result: negative Test Type:
In vitro mammalian cell gene
mutation test Test system:
mouse lymphoma cells
Metabolic activation: with
and without metabolic
activation Method: OECD
Test Guideline 476 Result:
negative Test Type:
Chromosome aberration test
Species: Mouse Cell type:
Bone marrow Application
Route: Intraperitoneal
Method: US-EPA Result:
Positive results were
obtained in some in vivo
tests. Test Type: sister
chromatid exchange assay
Species: Mouse Cell type:
Bone marrow Application
Route: Intraperitoneal
Method: US-EPA Result:
positive

Reproductive toxicity May damage the unborn
child. May damage fertility.

Specific target organ toxicity No data available
- single exposure

Special Remarks on other Acute Potential Health
Toxi Effects on Humans 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:
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.

Endocrine disrupting properties This substance/mixture contains components considered to have endocrinedisrupting properties affecting human health, according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

12. Ecological information

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Persistence and degradability	Biodegradability aerobic - Exposure time 14 d Result: 81 % - Readily biodegradable. (OECD Test Guideline 301C)
Bioaccumulative potential	Bioaccumulation Lepomis macrochirus - 3,27 Days at 22 °C(Benzyl butyl phthalate) Bioconcentration factor (BCF): 9,4 (OECD Test Guideline 305)
Toxicity to fish	Flow-through test LC50 - Fish - 0,51 mg/l - 96 h Remarks: (ECHA)
Toxicity to daphnia and other aquatic invertebrates	Flow-through test LC50 - Americamysis bahia (Mysid) - > 0,74 mg/l - 48 h (US-EPA)
Toxicity to algae	Static test ErC50 - Desmodesmus subspicatus (green algae) - 1,5 mg/l - 72 h (OECD Test Guideline 201)
Toxicity to bacteria	Static test EC50 - Pseudomonas putida - 4.390 mg/l - 17 h (DIN 38421 TEIL 8)
Mobility in soil	No 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.
Other adverse effects	Avoid release to the environment. Discharge into the environment must be avoided.

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 treatment Method	No data available

14. Transport information

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UN number	ADR/RID: 3082 IMDG: 3082 IATA: 3082
UN proper shipping name	ADR/RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl butyl phthalate)

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S. (Benzyl butyl phthalate)

IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S. (Benzyl butyl phthalate)

ADR/RID: 9 IMDG: 9 IATA: 9

ADR/RID: III IMDG: III IATA: III

ADR/RID: No IMDG: No IATA: No

Tunnel restriction code : (C/E)

EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5kg for solids.

Transport hazard class(es)
Packaging group
Environmental hazards
Special precautions for user
Further information

15. Regulatory information

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Inventory status

Components are on the following inventories: Polymaleic acid: - US TSCA, Canadian DSL, EU EINECS, Australian AICS, Korean, Philippine PICCS and Chinese Xi irritant R 36/38 Irritant to eyes & skin R 41 Risk of serious damage to eyes S24/25 Avoid contact with skin and eyes S26/28 In case of contact eyes & skin, rinse with plenty water and seek medical advice Section 312/313: Not listed. Not listed under California proposition 65.

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.

Authorisations and/or restrictions on use

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : n-butanol

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

European Inventory of Existing Commercial Chemical Substances (EINECS) -Listed. EC Inventory Listed. United States Toxic Substances Control Act (TSCA) Inventory- Listed. China Catalog of Hazardous chemicals 2015 Not- Listed. New Zealand Inventory of Chemicals (NZIoC) Listed. PICCS -Listed. Vietnam National Chemical Inventory -Listed. IECSC Listed. Korea Existing Chemicals List (KECL) -Listed.

National legislation

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. : FLAMMABLE LIQUIDS

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

A Chemical Safety Assessment has been carried out for this substance.

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 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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