

1. Product and Company Identification

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Product Name Iso Octane
Part Number RXSOL-19-1334-050

Company Details:

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

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| Substances | |
| Synonyms | Isooctane |
| Formula | C ₈ H ₁₈ |
| Molecular weight | 114,23 g/mol |
| CAS-No. | 540-84-1 |
| EC-No. | 208-759-1 |
| Index-No | 601-009-00-8 |
| Component | Classification Concentration |
| CAS-No.1 540-84-1 | Flam. Liq. 2; Skin Irrit. 2; STOT SE 3; Asp. 33,52 mg/l - vapor (OECD Test Guideline 403) |
| EC-No.208-759-1 | Tox. 1; Aquatic Acute 1; Aquatic Chronic 1; Symptoms mucosal irritations LD50 Dermal - H225, H315, H336, H304, H400, H410 Rabbit - male and female - > 2.000 mg/kg |
| Index-No.601-009-00-8 | Concentration limits: >= 20 %: STOT SE 3, (OECD Test Guideline 402) H336; M-Factor - Aquatic Acute: 10 M-Factor - Aquatic Chronic: 1 |
| Skin corrosion/irritation | Skin - Rabbit Result: Irritating to skin. - 24 h (OECD Test Guideline 404) Remarks: Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product. |
| Serious eye damage/irritation | Eyes - Rabbit No eye irritation (OECD Test Guideline 405) |
| Respiratory or skin sensitization | Maximization Test - Guinea pig Result negative (OECD Test Guideline 406) |
| Carcinogenicity | Did not show carcinogenic effects in animal experiment |
| Germ cell mutagenicity | Test Type Ames test Test system TA98 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 human lymphoblastoid cells Metabolic activation with and without metabolic activation Method OECD Test Guideline 476 Millipore- 1.04727 Page 9 of 13 The life science business of Merck operates as MilliporeSigma in the US and Canada Result: negative Test Type unscheduled DNA synthesis assay Species Rat Cell type Liver cells |

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| | Application Route Oral Method OECD Test Guideline 486 Result negative |
| Reproductive toxicity | Based on available data the classification criteria are not met |
| Specific target organ toxicity - single exposure | May cause drowsiness or dizziness. - Central nervous system |
| Additional Information | 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. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. It generally applies for aliphatic hydrocarbons with 6 - 18 carbon atoms that they may cause pneumonia, in some cases also pulmonary oedema, upon direct inhalation, i.e. in conditions that can occur only in very special circumstances (nebulizations, spraying, inhalation of aerosols and similar). After absorption of very large quantities: narcosis. Other dangerous properties can not be excluded. Handle in accordance with good industrial hygiene and safety practice. Liver - Irregularities - Based on Human Evidence |

12. Ecological information

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| Persistence and degradability | Biodegradability aerobic - Exposure time 28 d Result: 51,3 % - Inherently biodegradable. (OECD Test Guideline 301F) |
| Toxicity to fish | Semi-static test LC50 - Oncorhynchus mykiss (rainbow trout) - 0,11 Millipore- 1.04727 Page 10 of 13 The life science business of Merck operates as MilliporeSigma in the US and Canada mg/l - 96 h (OECD Test Guideline 203) |
| Toxicity to daphnia and other aquatic invertebrates | Static test EC50 - Daphnia magna (Water flea) - 0,4 mg/l - 48 h Remarks: (in analogy to similar products) (ECHA) The value is given in analogy to the following substances: 2,3,4- Trimethylpentane |
| Toxicity | Toxicity to daphnia and other aquatic invertebrates static test EC50 - Daphnia similis (Water flea) - > 100 mg/l - 48 h (Regulation (EC) No. 440/2008, Annex, C.2) |
| Toxicity to bacteria | EC0 - Pseudomonas putida - 10.000 mg/l (IUCLID) |
| Toxicity to algae | No data available |
| Products Biodegradation | No data available |
| Mobility in soil | No data 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 | Biological effects Endangers drinking-water supplies if allowed to enter soil and/or waters in large quantities. Discharge into the environment must be avoided. |

13. Disposal considerations

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| Product | See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions. |
| Contaminated packaging | No data available |
| Waste treatment Method | No data available |

14. Transport information

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| UN number | ADR/RID:1262 IMDG:1262 IATA:1262 |
| UN proper shipping name | ADR/RID:OCTANES IMDG:OCTANES IATA:OCTANES |
| Transport hazard class(es) | ADR/RID:3 IMDG:3 IATA: 3 |
| Packaging group | ADR/RID:II IMDG:II IATA:II |
| Environmental hazards | ADR/RID: Yes IMDG Marine pollutant:Yes IATA: No |
| Special precautions for user | Tunnel restriction code (D/E) |
| 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 | 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 | <p>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.</p> |
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