

1. Product and Company Identification

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Product Name Nitro Toluene (P-)
Part Number RXSOL-19-1398-025

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
4-Nitrotoluene	99-99-0	202-808-0	2.250 mg/kg (OECD Test Guideline 401) Acute toxicity estimate Inhalation - 4 h - 0,51 mg/l - dust/mist(Expert judgment) Acute toxicity estimate Inhalation - 4 h - 0,51 mg/l - dust/mist (Expert judgment) LD50 Dermal - Rat - > 16.000 mg/kg	Remarks: Lungs, Thorax, or Respiration:Other changes. Liver:Fatty liver degeneration. Nutritional and Gross Metabolic:Weight loss or decreased weight gain.
Skin corrosion/irritation	Skin - Rabbit Result: No skin irritation - 4 h (OECD Test Guideline 404)			
Serious eye damage/eye irritation	Eyes - Rabbit Result: No eye irritation - 24 h (OECD Test Guideline 405)			
Respiratory or skin sensitization	Buehler Test - Guinea pig Result: Does not cause skin sensitization. (OECD Test Guideline 406)			
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	Carcinogenicity - (ECHA) Presumed to have			

	carcinogenic potential for humans
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 vivo micronucleus test Species: Rat Application Route: Intraperitoneal Method: Mutagenicity (micronucleus test) Result: negative
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Special Remarks on other Toxi Effects on Humans	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: 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 properties	disrupting 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. RTECS: XT3325000 Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting, burning sensation, Absorption into the body leads to the formation of methemoglobin which in sufficient concentration causes cyanosis. Onset may be delayed 2 to 4 hours or

longer. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. Ecological information

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Bioaccumulative potential	Bioaccumulation <i>Lepomis macrochirus</i> - 14 d at 16 °C - 0,957 mg/l(1,2-Dichloroethane) Bioconcentration factor (BCF): 2
Persistence and degradability	Biodegradability aerobic - Exposure time 14 d Result: 0,8 % - According to the results of tests of biodegradability this product is not readily biodegradable. (OECD Test Guideline 301C)
Toxicity to fish	LC50 - <i>Pimephales promelas</i> (fathead minnow) - 49,7 mg/l - 96,0 h
Toxicity to daphnia and other aquatic invertebrates	Immobilization EC50 - <i>Daphnia magna</i> (Water flea) - ca. 4,2 mg/l - 48 h (ISO 6341)
Toxicity to algae	Static test EC50 - <i>Chlorella pyrenoidosa</i> - 22 mg/l - 96 h (OECD Test Guideline 201)
Toxicity to bacteria	Static test EC50 - activated sludge - 35.500 mg/l - 3 h (OECD Test Guideline 209)
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	No data available

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	Dispose of as unused product.
Waste treatment Method	See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

14. Transport information

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UN number	ADR/RID:3446 IMDG:3446 IATA: 3446
UN proper shipping name	ADR/RID:Nitrotoluenes, liquid IMDG:Nitrotoluenes, liquid IATA:Nitrotoluenes, liquid
Transport hazard class(es)	ADR/RID: 6.1 IMDG: 6.1 IATA: 6.1
Packaging group	ADR/RID: II IMDG: II IATA: II
Environmental hazards	ADR/RID: YES IMDG: YES IATA: NO
Further information	No data available

15. Regulatory information

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Inventory status	Components are on the following inventories: Polymaleic acid: - US
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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) : 2-nitrotoluene
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. : ACUTE TOXIC : ENVIRONMENTAL HAZARDS
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

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