

1. Product and Company Identification

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Product Name FORMAMIDE
Part Number RXSOL-19-1192-025

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

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2. Composition / Information on ingredients

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| Chemical Name | Cas No | EC No | Whight | Formula |
|---------------------------|---|-----------|------------------------|---------|
| FORMAMIDE | 75-12-7 | 200-842-0 | 500 °C at 1.013,25 hPa | |
| Decomposition temperature | > 180 °C | | | |
| Vapour pressure | 0,08 hPa at 20 °C | | | |
| Viscosity | dynamic: 3,76 mPa.s at 20 °C | | | |
| Density | 1,134 g/cm ³ at 25 °C - lit. | | | |
| Relative Density | No data available | | | |
| Partition coefficient | log Pow: -0,82 at 25 °C - Bioaccumulation is not expected. | | | |
| Explosive properties | No data available | | | |
| Solubility | completely miscible | | | |
| Particle characteristics | No data available | | | |

10. Stability and reactivity

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| Reactivity | Forms explosive mixtures with air on intense heating. A range from approx. 15 Kelvin below the flash point is to be rated as critical. |
| Chemical stability | The product is chemically stable under standard ambient conditions (room temperature) . |
| Possibility of hazardous reactions | Exothermic reaction with: Oxidizing agents bases Risk of explosion with: furfuryl alcohol Oxides of phosphorus hydrogen peroxide iodine with pyridine and Sulfur trioxide A risk of explosion and/or of toxic gas formation exists with the following substances: water separating agents Possible formation of: Hydrogen cyanide (hydrocyanic acid) |
| Conditions to avoid | Heat. Strong heating. |
| Incompatible materials | No data available |
| 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 - 5.325 mg/kg (OECD Test Guideline 401) LC50 Inhalation - Rat - male - 4 h - > 21 mg/l - vapor (OECD Test Guideline 403) LD50 Dermal - Rat - male and female - > 3.000 mg/kg Remarks: (ECHA) |
| Skin corrosion/irritation | Skin - Rabbit Result: No skin irritation - 20 h Remarks: (ECHA) |
| Serious eye damage/irritation | Eyes - Rabbit Result: slight irritation (OECD Test Guideline 405) |
| Respiratory or skin sensitization | No data available |
| Carcinogenicity | Suspected of causing cancer. |
| Germ cell mutagenicity | Test Type: Ames test Test system: Escherichia coli/Salmonella typhimurium Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative Test Type: in vitro test Test system: Other cell types Metabolic activation: without metabolic activation Method: Regulation (EC) No. 440/2008, Annex, B.21 Result: positive Test Type: in vitro test Test system: Embryo Metabolic activation: without metabolic activation Result: negative Remarks: (ECHA) Test Type: In vivo micronucleus test Species: Mouse Cell type: Red blood cells (erythrocytes) Application Route: Oral Method: OECD Test Guideline 474 Result: negative Test Type: In vivo micronucleus test Species: Mouse Cell type: Bone marrow Application Route: Intraperitoneal injection Method: OECD Test Guideline 474 Result: positive Test Type: Genotoxicity in vivo Species: Drosophila melanogaster Application Route: Intraperitoneal injection Method: OECD Test Guideline 477 Result: negative Test Type: dominant lethal test Species: Mouse Application Route: Intraperitoneal injection Method: OECD Test Guideline 478 Result: negative |
| Reproductive toxicity | May damage the unborn child. |
| Specific target organ toxicity - single exposure | No data available |
| Additional Information | Assessment : 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 - Oral - 90 d - NOAEL (No observed adverse effect level) - 40 - 80 mg/kg Remarks: Subchronic toxicity Repeated dose toxicity - Rat - male - Inhalation - 14 Days Repeated dose toxicity - Rat - male and female - Dermal - 90 d - NOAEL (No observed adverse effect level) - 100 mg/kg RTECS: LQ0525000 Gastrointestinal disturbance To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Possible effect after contact with substance: ataxia (impaired locomotor coordination) Absorption may result in damage of the following: Liver Kidney Other dangerous properties can not be excluded. Handle in accordance with good industrial hygiene and safety practice. Blood - Irregularities - Based on Human Evidence |

12. Ecological information

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| Persistence and degradability | Biodegradability aerobic - Exposure time 28 d Result: 99 % - Readily biodegradable. (OECD Test Guideline 301A) |
| Toxicity to fish | static test LC50 - Leuciscus idus (Golden orfe) - 6.569 mg/l - 96 h (DIN 38412 part 15) |
| Toxicity to daphnia and other aquatic invertebrates | static test EC50 - Daphnia magna (Water flea) - > 500 mg/l - 48 h (Regulation (EC) No. 440/2008, Annex, C.2) |
| Toxicity to bacteria | static test EC50 - activated sludge - > 1.000 mg/l - 30 min (OECD Test Guideline 209) |
| Toxicity to algae | static test ErC50 - Desmodesmus subspicatus (green algae) - > 500 mg/l - 96 h (DIN 38412) |
| 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 | Assessment : The substance/mixture does not contain components |

Other adverse effects

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.

When discharged properly, no impairments in the function of adapted biological wastewater treatment plants are to be expected. Discharge into the environment must be avoided. Adsorbed organic bound halogens (AOX) Remarks: Product does not contain any organic halogens.

13. Disposal considerations

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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

Not classified as dangerous in the meaning of transport regulations.

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

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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