1. Product and Company Identifaction

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

Company Details:

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

Branch : Kandla, Mumbai , Chennai, Vizag, Kolkata, UAE, OMAN, CANADA and KENYA

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Email	mail@rxmarine.com
Website	www.rxmraine.com

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/cm3 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

	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	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	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 weassume 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. DISCLAIMER OF LIABILITY :The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.