

1. Product and Company Identification

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Product Name LAURIC ACID
Part Number RXSOL-22-6604-100

Company Details:....

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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Substances

Formula	C ₁₂ H ₂₄ O ₂	
Molecular weight	200,32 g/mol	
CAS-No.	143-07-7	
EC-No.	205-582-1	
Component	Classification	Concentration
Lauric acid		
CAS-No. 143-07-7	Eye Dam. 1; H318	250 °C
EC-No 205-582-1		
Decomposition temperature	No data available	
pH	No data available	
Viscosity	Viscosity, kinematic: No data available	
	Viscosity, dynamic: No data available	
Water solubility	0,058 g/l at 20 °C	
Partition coefficient: n-octanol/water	log Pow: 1,34 - Bioaccumulation is not expected.	
Vapor pressure	No data available	
Density	1,36 g/cm ³ at 20 °C	
Relative density	No data available	
Relative vapor density	No data available	
Particle characteristics	No data available	
Explosive properties	No data available	
Oxidizing properties	None	
Other safety information	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.

The following applies in general to flammable organic substances and mixtures: in

correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

The product is chemically stable under standard ambient conditions (room temperature)

Exothermic reaction with:

hydrogen sulphide

Light metals

phosphorus

organic nitro compounds

acids

Risk of explosion with:

anhydrides

No information available

Light metals

In the event of fire: see section 5

Chemical stability

Possibility of hazardous reactions

Conditions to avoid

Incompatible materials

Hazardous decomposition products

11. Toxicological information

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Information on toxicological effects

Acute toxicity

LD50 Oral - Rat - female - > 2.000 mg/kg

(OECD Test Guideline 425)

LC50 Inhalation - Rat - male and female - 4 h - > 6,04 mg/l - dust/mist

(OECD Test Guideline 436)

LD50 Dermal - Rabbit - male and female - > 2.500 mg/kg

(OECD Test Guideline 402)

Skin corrosion/irritation

Skin - Rabbit

Result: Irritating to skin

(OECD Test Guideline 404)

Serious eye damage/eye irritation

Eyes - Rabbit

Result: Irreversible effects on the eye

(OECD Test Guideline 405)

Remarks: Risk of corneal clouding.

Risk of blindness!

No data available

Respiratory or skin sensitization

Test Type: In vitro mammalian cell gene mutation test

Germ cell mutagenicity

Test system: mouse lymphoma cells

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 476

Result: negative

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: Chromosome aberration test in vitro

Test system: Human lymphocytes

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 473

Result: negative

No data available

No data available

No data available

Inhalation - May cause respiratory irritation. - Respiratory Tract

No data available

No data available

Carcinogenicity

Reproductive toxicity

Teratogenicity

Specific target organ toxicity (single exposure)

Specific target organ toxicity (repeated exposure)

Aspiration hazard

Additional information

Endocrine disrupting properties

Product

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.

RTECS: EW2800000

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

12. Ecological information

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Toxicity

Toxicity to fish

Static test LC50 - Oncorhynchus mykiss (rainbow trout) - 50,6 mg/l - 96 h (OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates

static test EC50 - Daphnia galeata (Water flea) - 8,58 mg/l - 48 h (OECD Test Guideline 202)

Toxicity to algae

Growth inhibition ErC50 - Selenastrum capricornutum (green algae) -75 mg/l - 72 h

(OECD Test Guideline 201)

IC50 - *Desmodesmus subspicatus* (green algae) - 231 mg/l - 72 h

Remarks: (External MSDS)

EC50 - activated sludge - 1.060 mg/l (OECD Test Guideline 209)

Toxicity to bacteria
Persistence and degradability
Biodegradability

Aerobic - Exposure time 28 d

Result: 0 % - Not readily biodegradable.

(OECD Test Guideline 301D)

Bioaccumulative potential
Mobility in soil
Results of PBT and vPvB assessment

No data available

No data available

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

Product
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

No data available

13. Disposal considerations

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Waste treatment Method

No data available

14. Transport information

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UN number
UN proper shipping name

ADR/RID: IMDG: IATA:

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

Transport hazard class(es)
Packaging group

IATA: Not dangerous goods

ADR/RID: IMDG: IATA:

ADR/RID: IMDG: IATA:

Environmental hazards
Special precautions for user

ADR/RID: yes IMDG Marine pollutant: yes IATA: yes

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

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

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