

1. Product and Company Identification

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Product Name BARIUM NITRATE
Part Number RXSOL-19-6604-030

Company Details:....

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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Substances

Formula BaN_2O_6
Molecular weight 261,34 g/mol
CAS-No. 10022-31-8
EC-No. 233-020-5
Index-No. 056-002-00-7

Component	Classification	Concentration
Calcium hydroxide		
CAS-No. 10022-31-8	Ox. Sol. 2; Acute Tox. 3;	550 °C
EC-No 233-020-5	Acute Tox. 4; Eye Irrit. 2;	
Index-No. 056-002-00-7	H272, H301, H332, H319	
pH	5,0 - 8,0 at 50 g/l at 25 °C	
Viscosity	Viscosity, kinematic: No data available	
	Viscosity, dynamic: No data available	
Water solubility	94 g/l at 20 °C - OECD Test Guideline 105	
Partition coefficient: n-octanol/water	No data available.	
Vapor pressure	No data available	
Density	ca.3,2 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	The substance or mixture is classified as oxidizing with the category 2.	
Other safety information	No data available	

10. Stability and reactivity

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Reactivity No data available

Chemical stability	The product is chemically stable under standard ambient conditions (room temperature)
Possibility of hazardous reactions	Risk of explosion with: Risk of ignition or formation of inflammable gases or vapours with: combustible substances Metals sulfur Polyvinyl chloride calcium silicide charcoal Aluminum magnesium Reducing agents
Conditions to avoid	Avoid moisture. Heat.
Incompatible materials	No information available
Hazardous decomposition products	Light metals In the event of fire: see section 5

11. Toxicological information

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Information on toxicological effects

Acute toxicity	LD50 Oral - Rat - female - 50 - 300 mg/kg (OECD Test Guideline 423) Acute toxicity estimate Inhalation - 1,6 mg/l - dust/mist (Expert judgment) Dermal: No data available
Skin corrosion/irritation	Skin - Rabbit Result: No skin irritation - 4 h (OECD Test Guideline 404)
Serious eye damage/eye irritation	Eyes - Rabbit Result: irritating (OECD Test Guideline 405)
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	Test Type: In vitro mammalian cell gene mutation test 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)

Toxicity to bacteria	EC50 - activated sludge - 1.060 mg/l (OECD Test Guideline 209)
Persistence and degradability	
Biodegradability	Aerobic - Exposure time 28 d Result: 0 % - Not readily biodegradable. (OECD Test Guideline 301D)
Bioaccumulative potential	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	
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
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14. Transport information

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UN number	ADR/RID:1446 IMDG: 1446 IATA: 1446
UN proper shipping name	ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods
Transport hazard class(es)	ADR/RID:5.1 (6.1) IMDG:5.1 (6.1) IATA:5.1 (6.1)
Packaging group	ADR/RID:II IMDG:II IATA:II
Environmental hazards	ADR/RID: yes IMDG Marine pollutant: yes IATA: yes
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	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 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
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