Product Name Calcium Nitrate Tetrahydrate Part Number RXSOL-19-1776-051

Company Details:

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2. Composition / Information on ingredients

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Chemical Name **CAS** EC number Weight Formula

233-332-1 Calcium Nitrate 13477-34-4 300 - < 2.000 mg/kg(OECD Test Guideline 423) Tetrahydrate

Inhalation: No data available Dermal: No data available

Skin corrosion/irritation Skin - Rabbit Result: No

skin irritation (OECD Test

Guideline 404)

Serious eye damage/eye Eyes - Rabbit Result: Risk of irritation

serious damage to eyes.

(OECD Test Guideline 405)

skin No data available Respiratory or

sensitization

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 irritant, (lung

sensitizer).

Carcinogenicity No data available No data available Germ cell mutagenicity

Reproductive toxicity May damage the unborn

child. May damage fertility.

Specific target organ toxicity Mixture

may cause drowsiness or dizziness.

- single exposure

Special Remarks on other Acute Toxi Effects on Humans

Potential Health Effects: Skin: Causes skin

irritation. May cause skin sensitization, an allergic reation, 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 contain components considered to have endocrine disrupting properties according to REACH Article 57(f) Commission or Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. RTECS: EW3000000 To the best of our knowledge, the chemical, physical, toxicological properties have been thoroughly investigated.

12. Ecological information

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Persistence and degradability

Toxicity to fish

Toxicity to daphnia and other aquatic invertebrates

Toxicity to algae

Toxicity to bacteria Mobility in soil

Results of PBT and vPvB assessment

Endocrine disrupting properties

Other adverse effects

The methods for determining the biological degradability are not applicable to inorganic substances.

LC50 - Oncorhynchus mykiss (rainbow trout) - > 98,9 mg/l - 96 h

EC50 - Daphnia magna (Water flea) - 13.299 mg/l - 48 h Remarks: (IUCLID)

IC50 - Desmodesmus subspicatus (green algae) - > 1.000 mg/l - 72 h Remarks: (IUCLID)

EC5 - Pseudomonas putida - 1.050 mg/l - 16 h Remarks: (Lit.)

No Information 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.

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.

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.

Waste treatment Method No data available

14. Transport information

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ADR/RID: IMDG: IATA: UN number ADR/RID: IMDG: IATA: UN proper shipping name Transport hazard class(es) ADR/RID: IMDG: IATA: Packaging group ADR/RID: IMDG: IATA:

ADR/RID: No IMDG: No IATA: No Environmental hazards

Special precautions for user Tunnel restriction code: (C/E)

Further information Not classified as dangerous in the meaning of transport regulations.

Transport in bulk according to IMOinstruments No data available

15. Regulatory information

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Inventory status

Components are on the following inventories: Polymaleic acid: - US 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 This material safety data sheet complies with the requirements of substance or mixture

Regulation (EC) No. 1907/2006.

Authorisations and/or restrictions on use

Regulation (EU) 2019/1148 on the marketing and use of explosives

precursors: Calcium nitrate tetrahydrate

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.