

1. Product and Company Identification

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Product Name Di Sodium Phosphate
Part Number RXSOL-37-3203-274

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
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2. Composition / Information on ingredients

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| Chemical Name | Cas No | EC No | Whight | Formula |
|-----------------------------|-----------|-----------|--------------|-----------------------------------|
| Disodium hydrogen phosphate | 7558-79-4 | 231-448-7 | 141,96 g/mol | HNa ₂ O ₄ P |

No components need to be disclosed according to the applicable regulations.

3. Hazards Identification

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|--|--|
| Classification of the substance or mixture | Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008. |
| Label elements | No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required |
| Other hazards | 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. |

4. First Aid Measures

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|--|---|
| If inhaled | After inhalation: fresh air. |
| In case of skin contact | In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. |
| In case of eye contact | After eye contact: rinse out with plenty of water. Remove contact lenses. |
| If swallowed | After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell. |
| Most important symptoms and effects, both acute and delaye | The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11 |
| Indication of any immediate medical attention and special treatment needed | No data available |

5. Fire-fighting Measures

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|---|--|
| Suitable extinguishing media | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| Special hazards arising from the substance or mixture | Oxides of phosphorus |
| | Sodium oxides |
| | Not combustible. |
| Further information | Ambient fire may liberate hazardous vapours. Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system. |
| Advice for firefighters | In the event of fire, wear self-contained breathing apparatus. |

6. Accidental Release Measures

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|---|--|
| Personal precautions, protective equipment and emergency procedures | Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8. |
| Environmental Precaution | Do not let product enter drains. |
| Methods and materials for containment and cleaning up | Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts. |
| Reference to other sections | For disposal see section 13. |

7. Handling and Storage

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| | |
|-------------------------------|--|
| Precautions for safe handling | For precautions see section 2.2. |
| Storage conditions | Tightly closed. Dry. |
| | Hygroscopic. Keep in a dry place |
| Storage class | Storage class (TRGS 510): 13: Non Combustible Solids |
| Specific end use(s) | Apart from the uses mentioned in section 1.2 no other specific uses are stipulated |

8. Exposure controls and personal protection

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| | |
|---------------------|--|
| Eye/face protection | Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses |
| Skin protection | This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de). Full contact Material: Nitrile rubber Minimum layer thickness: 0,11 mm |

Break through time: 480 min

Material tested:KCL 741 Dermatril® L

This recommendation applies only to the product stated in the safety data sheet,

supplied by us and for the designated use. When dissolving in or mixing with other

substances and under conditions deviating from those stated in EN374 please

contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell,

Internet: www.kcl.de).

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: 480 min

Material tested:KCL 741 Dermatril® L

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Handle in accordance with good industrial hygiene and safety practice.

Do not let product enter drains.

Respiratory protection

Other Protection Measure

Control of environmental exposure

9. Physical and chemical properties

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Physical state

Crystalline /Granules

Colour

Brown , grey

Odor

Odorless

Melting point/freezing point

Melting point/range: > 450 °C - Regulation (EC) No. 440/2008,

Annex, A.1

Initial boiling point and boiling range

No data available

Flammability (solid, gas)

No data available

Flash point

Not applicable

Upper/lower flammability or explosive limits

No data available

Autoignition temperature

No data available

Decomposition temperature

No data available

pH

8,9 - 9,2 at 50 g/l at 25 °C

Viscosity

Viscosity, kinematic: No data available

Viscosity, dynamic: No data available

Water solubility

At 20 °C - Regulation (EC) No. 440/2008, Annex, A.6completely soluble

Partition coefficient: n-octanol/water

Not applicable for inorganic substances

Vapor pressure

No data available

Density

1.53 - 1.62 g/cm³ at 20 °C

Relative density

No data available

Relative vapor density

No data available

Particle characteristics

No data available

Explosive properties
Oxidizing properties

No data available
None

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

Exothermic reaction with:

Strong acids

Antipyrine

Acetates

Conditions to avoid

Exposure to moisture.

Incompatible materials

No information available

Hazardous decomposition products

No data available

In the event of fire: see section 5

11. Toxicological information

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Acute toxicity

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

(OECD Test Guideline 420)

LC50 Inhalation - Rat - male and female - 4 h - > 0,83 mg/l - dust/mist

(OECD Test Guideline 403)

LD50 Dermal - Rat - male and female - > 2.000 mg/kg

(OECD Test Guideline 402)

Skin corrosion/irritation

Skin - Rabbit

Result: No skin irritation - 24 h

(OECD Test Guideline 404)

Serious eye damage/irritation

Eyes - Rabbit

Result: No eye irritation - 30 s

(OECD Test Guideline 405)

Respiratory or skin sensitization

Local lymph node assay (LLNA) - Mouse

Result: negative

(OECD Test Guideline 429)

Carcinogenicity

No data available

Germ cell mutagenicity

Test Type: Micronucleus test

Test system: Human lymphocytes

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 487

Result: negative

Test Type: In vitro mammalian cell gene mutation test

Test system: mouse lymphoma cells

Metabolic activation: with and without metabolic activation

Result: negative

Remarks: (ECHA)

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

No data available

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: WC4500000

To the best of our knowledge, the chemical, physical, and toxicological properties have not

been thoroughly investigated.

However, when the product is handled appropriately, hazardous effects are unlikely to

occur.

Handle in accordance with good industrial hygiene and safety practice.

Reproductive toxicity

Specific target organ toxicity - single exposure

Specific target organ toxicity - repeated exposure

Aspiration hazard

Additional Information

12. Ecological information

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Toxicity

Toxicity to fish semi-static test LC50 - Oncorhynchus mykiss (rainbow trout) - > 100

mg/l - 96 h

(OECD Test Guideline 203)

Toxicity to daphnia

and other aquatic

invertebrates

static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h

(OECD Test Guideline 202)

Toxicity to algae static test ErC50 - Desmodesmus subspicatus (green algae) - > 100

mg/l - 72 h

(OECD Test Guideline 201)

Toxicity to bacteria static test EC50 - activated sludge - > 1.000 mg/l - 3 h

(OECD Test Guideline 209)

The methods for determining biodegradability are not applicable to inorganic substances.

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.

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.

Discharge into the environment must be avoided.

Persistence and degradability

Bioaccumulative potential

Mobility in soil

Results of PBT and vPvB assessment

Endocrine disrupting properties

Other adverse effects

13. Disposal considerations

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Waste treatment Methods

Product

See www.retrologistik.com for processes regarding the return of chemicals and

containers, or contact us there if you have further questions.

14. Transport information

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UN number

ADR/RID :- Not Applicable

IMDG :- Not Applicable

IATA :- Not Applicable

UN proper shipping name

ADR/RID :- Not Applicable

IMDG :- Not Applicable

IATA :- Not Applicable

Transport hazard class(es)

ADR/RID :- Not Applicable

IMDG :- Not Applicable

IATA :- Not Applicable

Packaging group

ADR/RID :- Not Applicable

IMDG :- Not Applicable

IATA :- Not Applicable

Environmental hazards

ADR/RID :- Not Applicable

IMDG :- Not Applicable

IATA :- Not Applicable

Special precautions for user

No data available

Further information

Not classified as dangerous in the meaning of transport regulations in any mode of transport Surface , Sea and by Air.

15. Regulatory information

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Safety, health and environmental regulations/legislation specific for the substance or mixture

Chemical Safety Assessment

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

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 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 shall we 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.

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