

## 1. Product and Company Identification

www.rxmarine.com

Product Name Di Sodium Phosphate  
Part Number RXSOL-37-3203-025

### Company Details:

RX MARINE INTERNATIONAL  
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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 <sub>2</sub> O <sub>4</sub> P

sec-Sodium phosphate

Disodium phosphate

Sodium hydrogenphosphate

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

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.

Storage class

Hygroscopic. Keep in a dry place

Specific end use(s)

Storage class (TRGS 510): 13: Non Combustible Solids

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](http://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](http://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

Granules

Colour

White

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

Water solubility	Viscosity, dynamic: No data available
Partition coefficient: n-octanol/water	At 20 °C - Regulation (EC) No. 440/2008, Annex, A.6 completely soluble
Vapor pressure	Not applicable for inorganic substances
Density	No data available
Relative density	1,53 g/cm <sup>3</sup> at 20 °C
Relative vapor density	No data available
Particle characteristics	No data available
Explosive properties	No data available
Oxidizing properties	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

<p>Carcinogenicity</p> <p>Germ cell mutagenicity</p>	<p>(OECD Test Guideline 429)</p> <p>No data available</p> <p>Test Type: Micronucleus test</p> <p>Test system: Human lymphocytes</p> <p>Metabolic activation: with and without metabolic activation</p> <p>Method: OECD Test Guideline 487</p> <p>Result: negative</p> <p>Test Type: In vitro mammalian cell gene mutation test</p> <p>Test system: mouse lymphoma cells</p> <p>Metabolic activation: with and without metabolic activation</p> <p>Result: negative</p> <p>Remarks: (ECHA)</p> <p>Test Type: Chromosome aberration test in vitro</p> <p>Test system: Human lymphocytes</p> <p>Metabolic activation: with and without metabolic activation</p> <p>Method: OECD Test Guideline 473</p> <p>Result: negative</p>
<p>Reproductive toxicity</p> <p>Specific target organ toxicity - single exposure</p> <p>Specific target organ toxicity - repeated exposure</p> <p>Aspiration hazard</p> <p>Additional Information</p>	<p>No data available</p> <p>No data available</p> <p>No data available</p> <p>No data available</p> <p>Endocrine disrupting properties</p> <p>Product:</p> <p>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.</p> <p>RTECS: WC4500000</p> <p>To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.</p> <p>However, when the product is handled appropriately, hazardous effects are unlikely to occur.</p> <p>Handle in accordance with good industrial hygiene and safety practice.</p>

## 12. Ecological information

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Toxicity	<p>Toxicity to fish semi-static test LC50 - Oncorhynchus mykiss (rainbow trout) - &gt; 100</p> <p>mg/l - 96 h</p> <p>(OECD Test Guideline 203)</p> <p>Toxicity to daphnia</p> <p>and other aquatic</p> <p>invertebrates</p> <p>static test EC50 - Daphnia magna (Water flea) - &gt; 100 mg/l - 48 h</p> <p>(OECD Test Guideline 202)</p> <p>Toxicity to algae static test ErC50 - Desmodesmus subspicatus (green algae) - &gt; 100</p> <p>mg/l - 72 h</p> <p>(OECD Test Guideline 201)</p> <p>Toxicity to bacteria static test EC50 - activated sludge - &gt; 1.000 mg/l - 3 h</p> <p>(OECD Test Guideline 209)</p>
Persistence and degradability	<p>The methods for determining biodegradability are not applicable to inorganic substances.</p>
Bioaccumulative potential	<p>No data available</p>
Mobility in soil	<p>No data available</p>
Results of PBT and vPvB assessment	<p>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.</p>
Endocrine disrupting properties	<p>Product:</p> <p>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.</p>
Other adverse effects	<p>Discharge into the environment must be avoided.</p>

## 13. Disposal considerations

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Waste treatment Methods	<p>Product</p> <p>See <a href="http://www.retrologistik.com">www.retrologistik.com</a> for processes regarding the return of chemicals and containers, or contact us there if you have further questions.</p>
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## 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.
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 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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