

## 1. Product and Company Identifaction

[www.rxmarine.com](http://www.rxmarine.com)

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

Company Details:

RX MARINE INTERNATIONAL  
105, A wing , BSEL , TECH PARK.  
VASHI ,NEW BOMBAY 400703 INDIA

Branch : Kandla, Mumbai , Chennai, Vizag, Kolkata, UAE , OMAN , CANADA and KENYA

Phone +91 22 20871200 - 1400  
Fax +91 22 27612100 ::AOH :0091 9821214367  
Email [mail@rxmarine.com](mailto:mail@rxmarine.com)  
Website [www.rxmraine.com](http://www.rxmraine.com)

## 2. Composition / Information on ingredients

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Chemical Name	Cas No	EC No	Wheight	Formula
Disodium hydrogen phosphate	7558-79-4	231-448-7	141,96 g/mol	HNa <sub>2</sub> O <sub>4</sub> 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 delayed	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.
	Ambient fire may liberate hazardous vapours.
Further information	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: <a href="http://www.kcl.de">www.kcl.de</a> ).
	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.

## 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,

Initial boiling point and boiling range

Annex, A.1

Flammability (solid, gas)

No data available

Flash point

No data available

Upper/lower flammability or explosive limits

Not applicable

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.6completely soluble

Vapor pressure

Not applicable for inorganic substances

Density

No data available

Relative density

1.53 - 1.62 g/cm3 at 20 °C

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  Exposure to moisture.
Conditions to avoid	No information available
Incompatible materials	No data available
Hazardous decomposition products	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.

## 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)
Persistence and degradability	The methods for determining biodegradability are not applicable to inorganic substances.
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. Discharge into the environment must be avoided.
Other adverse effects	

## 13. Disposal considerations

[www.rxmarine.com](http://www.rxmarine.com)

Waste treatment Methods

Product

See [www.retrologistik.com](http://www.retrologistik.com) for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

## 14. Transport information

[www.rxmarine.com](http://www.rxmarine.com)

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

[www.rxmarine.com](http://www.rxmarine.com)

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 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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