

1. Product and Company Identification

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Product Name	Borax Sodium Borate
Part Number	RXSOL-19-1529-050
Chemical Formula	B ₄ Na ₂ O ₇ · 10H ₂ O

Company Details:

RX MARINE INTERNATIONAL
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Email	123@rxmarine.com
Website	www.rxmarine.com

2. Composition / Information on ingredients

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Name of Substance	Cas Number	EC NO	Weight
Boraxdecahydrate Sodium boratedecahydrate	1303-96-4	215-540-4	381,86 g/mol

3. Hazards Identification

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Signal word	Danger
Hazard statement(s)	H360FD May damage fertility. May damage the unborn child.
Precautionary statement(s)	P201 Obtain special instructions before use. P308 + P313 IF exposed or concerned: Get medical advice. Supplemental Hazard none Statements Restricted to professional users.
Other hazards	None

4. First Aid Measures

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General advice	Consult a physician. Show this safety data sheet to the physician.
Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Skin Contact	Wash off with soap and plenty of water. Consult a physician if irritation develops.
Eye Contact	Flush eyes with water as a precaution.
Swallowed	Never give anything by mouth to an unconscious person. Consult a physician.
Most important symptoms/effects, acute and delayed	The most important known symptoms and effects are listed in section 11.
Indication of any immediate medical attention and special treatment needed. Notes to Physician	No data available

5. Fire-fighting Measures

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Suitable Extinguishing Media	Use extinguishing measures that are appropriate to the hazard.
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Special hazards arising from the substance or mixture
Advice for firefighters
Further information

Borane/boron oxides, Sodium oxides.
Wear self contained breathing apparatus for fire fighting.
The product itself does not burn.

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures.

Use personal protective equipment. Avoid dust.
Ensure adequate ventilation. Adequate ventilation is required to avoid breathing dust. For personal protection see section 8.
Prevent further leakage or spillage if safe to do so.
Pick up and arrange disposal without creating dust. Store in closed containers for disposal.
For disposal see section 13.

Environmental Precautions

Methods and material for containment and cleaning up

Reference to other sections

7. Handling and Storage

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Precautions for safe handling

Avoid formation of dust and aerosols. Avoid exposure. Use appropriate exhaust ventilation at places where dust is formed.
Store in cool place. Keep container tightly closed in original container.
Apart from the uses mentioned in section 1.2 no other uses are recommended.

Conditions for safe storage, including any incompatibilities

Specific end use(s)

8. Exposure controls and personal protection

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Appropriate engineering controls

Handle in accordance with good industrial hygiene practices. Wash thoroughly at the end of workday.

Personal protective equipment

Eye/face protection
Safety glasses with side-shields conforming to EN 166 or equivalent approved under appropriate government standards.

Skin protection

Handle with gloves. Gloves must be inspected prior to use (do not touch glove's outer surface) to avoid skin contact. Remove and dispose of gloves after use in accordance with applicable laws and good practice.

Body Protection

Complete suit protecting against chemicals, The type of protection depends on the concentration and amount of the dangerous substance.

Respiratory protection

Where risk assessment shows air-purifying respirators are necessary: type N100 (US) or type P3 (EN 143) respirator cartridge. If a respirator is the sole means of protection, use a respirator with components tested and approved under appropriate government standards: NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so.

9. Physical and chemical properties

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Appearance

Crystalline

Colour

White

Odour

No information available

Odor Threshold

No information available

pH

9,2 at 10 g/l

Melting Point/Freezing Point

62 °C point.

Initial Boiling Point and Boiling Range

No information available

Flash Point

No information available

Evaporation Rate

No information available

Solid Flammability (solid,gas)	No information available
Explosion Limits	No information available
Vapor Pressure	No information available
Vapor Density	No information available
Relative density	1,73 g/mL at 25 °C
Water Solubility	38,1 g/l at 20 °C - completely soluble
Partition coefficient:n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available
Other safety information	No information available

10. Stability and reactivity

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Reactivity	No data available
Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reaction	No data available
Conditions to Avoid	No data available
Incompatible Materials	Strong oxidizing agents, Strong reducing agents.
Hazardous Decomposition Products	Other decomposition products - no data available

11. Toxicological information

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Acute toxicity	LD50 Oral - rat - 4.500 - 5.000 mg/kg LD50 Dermal - rabbit - 10.000 mg/kg
Skin corrosion/irritation	No data available
Serious eye damage/irritation	No data available
Respiratory or skin sensitisation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	IARC: No component of this product present at probable, possible or confirmed human carcinogen
Reproductive toxicity	Fetotoxicity Presumed human reproductive toxicant Presumed human reproductive toxicant
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	No data available
Additional Information	RTECS: VZ2275000 Animal feeding studies in rat, mouse and dog, at high doses demonstrate developmental effects on the fetus, including reduced fetal weight and delayed ossification of the testes. Studies with the chemically related boric acid demonstrate developmental effects on the fetus, including reduced fetal weight and delayed ossification of the testes. The doses administered were many times in excess of those likely to be encountered in occupational conditions. Human epidemiological studies show no increase in cancer risk from chronic exposures to boric acid dust and sodium borate. Occupational exposures to borates under conditions of normal occupational exposure to borates are not considered to be a health hazard.

12. Ecological information

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Toxicity	Toxicity to fish Toxicity to daphnia and other aquatic invertebrates. Toxicity to algae
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Persistence and degradability
Bioaccumulative potential
Mobility in soil
Results of PBT and vPvB assessment
Other adverse effects

LC50 - Carassius auratus (goldfish) - 178 mg/l - 72
EC50 - Daphnia magna (Water flea) - 1.085 - 1.40
IC50 - Desmodesmus subspicatus (green algae) - 15
No data available
No data available
No data available
PBT/vPvB assessment not available as chemical saf
No data available

13. Disposal considerations

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Waste from Residues / Unused Products
Contaminated Packaging

Offer surplus and non-recyclable solutions to a licen
Dispose of as unused product.

14. Transport information

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DOT	Not regulated
TDG	Not regulated
Hazard Class	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated

15. Regulatory information

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

Authorisations and/or restrictions on use
1303-96-4 Candidate List of Substances c
for reproduction Authorisation Toxic for reprod
decahydrate CAS-No.: 1303-96-4 Candidate List
Toxic for reproduction (article 57c) ED/30/2010.

Chemical safety assessment

For this product a chemical safety assessment was

16. Other information

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Other Information

The information above is believed to be accur
available to us. However, we make no warrant
implied, with respect to such information, and we
make their own investigations to determine
purposes. In no event shall be liable for any claims
or any special, indirect, incidental, consequential
Marine International has been advised of the po

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