

1. Product and Company Identification

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Product Name	RXSOL-60-6604-116
Product Type	BUFFER SOLUTION pH 9.18 (BORATE)
Company Details:	
RX MARINE INTERNATIONAL 105, A wing , BSEL , TECH PARK. VASHI ,NEW BOMBAY 400703 INDIA	
Stock Point : Mumbai, Kandla, Chennai, Visakhapatnam, Kolkata, Fujairah, Muscat Barka	
Phone	+91 22 27815541 / 42
Fax	+91 22 2781 1318 ::::AOH :0091 9821214367
Email	mail@rxmarine.com

2. Composition / Information on ingredients

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Name	Product identifier	%	GHS-US classification
Water	CAS No) 7732-18-5	99.62	Not classified
Sodium Tetraborate, Decahydrate	(CAS No) 1303-96-4	0.38	Repr. 1B, H360

3. Hazards Identification

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Signal Word	Danger
Hazard Statements	Hazard statements (GHS-US)
Precautionary statements - prevention	H360 - May damage fertility or the unborn child
Precautionary statements (GHS-US)	P201 - Obtain special instructions before use P202 - Do not handle until all safety precautions have been read and understood P280 - Wear protective gloves, eye protection P308+P313 - IF exposed or concerned: Get medical advice/attention P405 - Store locked up P501 - Dispose of contents/container to comply with local, state and federal regulations
Other hazards	Other hazards not contributing to the classification
Unknown acute toxicity (GHS US)	Unknown acute toxicity (GHS US)

4. First Aid Measures

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First-aid measures general	Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention.
Eye Contact	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
Skin Contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse
Inhalation:	Allow victim to breathe fresh air. Allow the victim to rest.
Ingestion:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
Most important symptoms and effects, both acute and delayed	May damage fertility or the unborn child.

Indication of any immediate medical attention and special treatment needed

No additional information available

5. Fire-fighting Measures

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Suitable extinguishing media

Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media

Do not use a heavy water stream.

Special hazards arising from the substance or mixture

No additional information available.

Advice for firefighters Firefighting instructions

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting

Do not enter fire area without proper protective equipment, including respiratory protection.

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Protective equipment

Safety glasses. Gloves

Emergency procedures

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Environmental Precaution

Do not allow contact with soil, surface or ground water. If the products get into drains, inform the relevant authorities immediately.

Methods and materials for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials

Reference to other sections

See Heading 8. Exposure controls and personal protection

7. Handling and Storage

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Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Hygiene measures : Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container closed when not in use. Incompatible products : Strong oxidizers. Strong acids.

8. Exposure controls and personal protection

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Engineering Control

Appropriate engineering controls : Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Provide adequate general and local exhaust ventilation. Personal protective equipment : Safety glasses. Gloves.

Personal Protection

Eye protection : Chemical goggles or safety glasses
Hand protection : : Wear protective gloves
Skin protection : Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing
Respiratory protection : When workers are facing

Respiratory protection

concentrations above the exposure limit they must use appropriate certified respirators.

Other information

Respiratory protection not required in normal conditions

Do not eat, drink or smoke during use



Gloves Suit

9. Physical and chemical properties

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Form	Liquid
Colour	Colourless
Odour	characteristic
Odor threshold	No data available
Boiling point	No Data Available
Melting point	No Data Available
Flash Point	No Data Available
Freezing Point	No Data Available
pH	9.18
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper explosion limit	No data available
Lower explosion limit	No data available
Explosive properties	No data available
Vapor pressure	No data available
Relative vapor density at 20 °C	No data available
Relative density	No data available
solubility	No data available
Log Pow	No data available
Autoignition temperature	No data available
decomposition temperature	No data available
Viscosity, kinematic	No data available
Explosive limits	No data available
Oxidizing properties	No data available
Molecular weight	No data available
. Other information	Percent Solids : 0 %

10. Stability and reactivity

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Recativity

No additional information available

Stability	Stable under normal conditions.
Possibility of hazardous reactions	Not established
Incompatible materials	Strong acids. Strong oxidizers
Condition to Avoid	Incompatible materials. Extremely high or low temperatures
Hazardous decomposition products	boron.

11. Toxicological information

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Route of Exposure	Skin and eye contact
Eyes	Not classified pH: 9.18
Skin	Not classified
Germ cell mutagenicity	Causes digestive tract burns
Carcinogenicity	Not classified
Reproductive toxicity	May damage fertility or the unborn child.
Specific target organ toxicity ☐ single exposure	Not classified
Specific target organ toxicity ☐ repeated exposure	Not classified
Aspiration hazard	Not classified
Potential Adverse human health effects and symptoms	Based on available data, the classification criteria are not met

Sodium Tetraborate, Decahydrate (1303-96-4)	
LD50 oral rat	2660 mg/kg
LD50 dermal rabbit	10000 mg/kg
ATE US (oral)	2660.000 mg/kg body weight
ATE US (dermal)	10000.000 mg/kg body weight

Water (7732-18-5)	? 90000 mg/kg
LD50 oral rat	90000.000 mg/kg body weight
ATE US (oral)	

12. Ecological information

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Toxicity	Sodium Tetraborate, Decahydrate (1303-96-4)
EC50 Daphnia 1	1085 mg/
Persistence and degradability	Buffer Solution pH 9.18
Persistence and degradability	Not established
Sodium Tetraborate, Decahydrate (1303-96-4) Persistence and degradability	
Water (7732-18-5) Persistence and degradability	Not established.
Bioaccumulative potential	Not established.
Sodium Tetraborate, Decahydrate (1303-96-4) Bioaccumulative potential	Not established.
Water (7732-18-5) Bioaccumulative potential	Not established.
Bioaccumulative potential	No data available
Mobility in soil	No additional information available
Other adverse effects	Effect on the global warming : No known effects from this product. GWPmix comment : No known effects from this product
Other information	Avoid release to the environment.

13. Disposal considerations

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Waste disposal recommendations

Dispose of contents/container to comply with local, state and federal regulations.

Ecology - waste materials

Avoid release to the environment

14. Transport information

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Department of Transportation (DOT)

In accordance with DOT Not regulated

15. Regulatory information

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US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory. This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

International regulations

CANADA Buffer Solution pH 9.18

WHMIS Classification

Class D Division 2 Subdivision A - Very toxic material causing other toxic effects

Sodium Tetraborate, Decahydrate (1303-96-4)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification

Class D Division 2 Subdivision A - Very toxic material causing other toxic effects

Water (7732-18-5) WHMIS Classification

Uncontrolled product according to WHMIS classification criteria

EU-Regulations

No additional information available

Sodium Tetraborate, Decahydrate (1303-96-4)

Listed on the Canadian IDL (Ingredient Disclosure List)

US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

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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