Material Safety Data Sheet

Sodium Hexametaphosphate - 10% Solution (RXSOL-60-6210-100)

1. Product and Company Identifaction

Product Name	RXSOL-60-6210-100
Product Type	Sodium Hexametaphosphate - 10% Solution

Company Details:

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

Stock Point : Mumbai, Kandla, Kolkata, Vizag, Fujairah, Muscat Barka, Canada

Phone	+91 22 65113333 / 5555 / 9999
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
Email	mail@rxmarine.com

2. Composition / informationon ingredients

SARA 313 Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
Sodium Phosphate Hexameta Anhydrous	CAS# 10124- 56-8	10%	W/V	TXDS: orl-mus LD••: 7250 mg/Kg
Water, Deionized ASTM Type II	CAS# 7732-18-5	90%	V/V	None Established

3. Hazards Identification

May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

Caution! May Cause Irritation To Skin, Eyes, And Respiratory Tract. May Be Harmful If Swallowed Or Inhaled.

May Cause Irritation to the Respiratory Tract. Symptoms may Include Coughing and Shortness of Breath.

Ingestion:Phosphates are Slowly and Incompletely Absorbed when Ingested, and Seldom Result in Systemic Effects. Such Effects, However, Have Occurred. Symptoms may Include Vomiting, Lethargy, Diarrhea, Blood Chemistry Effects, Heart Disturbances and Central Nervous System Effects. The Toxicity of Phosphates is Because of their Ability to Sequester Calcium. Systemic Acidosis may Result as this Material is Believed to Hydrolyze into Phosphoric Acid when Ingested.

Skin:May Cause Irritation with Redness and Pain.

Eye Contact::May Cause Irritation, Redness and Pain.

Chronic Exposure:May Sequester Calcium and Cause Calcium Phosphate Deposits in the Kidneys. Chronic

Aggravated by Exposure::Ingestion or Inhalation may Induce Systemic Phosphorous Poisoning. Liver Damage, Kidney Damage, Jaw/Tooth Abnormalities, Blood Disorders and Cardiovascular Effects can Result. Persons with Pre-Existing Skin Disorders or Eye Problems, Jaw/Tooth Abnormalities, or Impaired Liver, Kidney or Respiratory Function may be More Susceptible to the Effects of the substance.

4. First Aid Measures

May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

SKIN:	Wash exposed area with soap and water. If irritation persists, seek medical attention.
EYES:	Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally.Seek Medical Aid.
INHALATION:	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen
INGESTION:	If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

5. Fire-fighting Measures

Fire Extinguisher Type:	Any means suitable for extinguishing surrounding fire
Fire / Explosion Hazards:	None Known
Fire Fighting Procedure:	Use any means suitable for extinguishing surrounding fire. Use water spray cool fire exposed containers..

6. Accidental Release Measures

Absorb spill with inert material, then place in a chemical waste container. Dispose of in a manner consistent with federal, local law.

Ventilate Area of Leak or Spill. Keep Unnecessary and Unprotected People Away from Area of Spill. Wear Appropriate Personal Protective Equipment as Specified in Section 8. Contain and Recover Liquid when Possible. Collect Liquid in Appropriate Container and Absorb with Dry Sand, Vermiculite, Earth or Other Inert Substance and Package in a Suitable Container for Disposal. Do not Flush to Sewer!

7. Handling and Storage

Keep in tightly closed container, stored in a cool dry ventilated area. Protect against physical damage and freezing. Containers of this material may be hazardous when empty since they retain product

8. Exposure controls and personal protection

Respiratory Protection	None required
Ventilation	Local
OTHER	Mechanical
Protective Gloves	Gloves to prevent skin exposure as rubber or vinyl
EYE PROTECTION	Residues. Safety Glasses
Other Protective Equipment	None required

9. Physical and chemical properties

BOILING POINT	Information not available
VAPOR PRESSURE	Information not available
MELTING POINT	Information not available
VAPOR DENSITY	Not available
EVAPORATION RATE	Information not available
Appearance /Odors	Clear water white / None
Flash Point	None

Specific Gravity	~1.01
Percent Volatile by Evaporation Standard	~90%
Auto Ignition Temp	Not applicable
Lower Flamm. Limit in Air	Not applicable
Upper Flamm. Limit in Air	Not applicable
Solubility in Water	Soluble

10. Stability and reactivity

STABILITY	Stable
CONDITIONS TO AVOID	None Known
MATERIALS TO AVOID	None Known
HAZARDOUS DECOMPOSITION PRODUCTS	sodium and phosphorous oxides if heated to decomp.
HAZARDOUS POLYMERIZATION	will not occur
Conditions to Avoid	None known

11. Toxicological information

Carcinogenic References: IARC Category – None, NTP Carcinogen - Known: No

12. Ecological information

No Information Found.

13. Disposal considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from feeral disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport information

DOT Classification: Not Regulated

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

15. Regulatory information

Chemical Inventory Status –
Part 1:Ingrdient
Polyphosphoric Acids, Sodium Salts (68915-31-1)
TSCA Yes

EC Yes
Japan YES
Australia Yes

Chemical Inventory Status –
Part 2:Ingredient
Polyphosphoric Acids, Sodium Salts (68915-31-1)
Korea Yes
DSL Yes
NDSL No
Phil. Yes

Federal, State & International Regulations –
Part 1: Ingredient.
Polyphosphoric Acids, Sodium Salts (68915-31-1)
RQ No
TPQ No
List NO
Chemical Catg: No

Federal, State &
International Regulations –
Part 2:Ingredient
Polyphosphoric Acids, Sodium Salts (68915-31-1)
CERCLA NO
261.33 No
8(d) No

Chemical Weapons Convention: No
TSCA 12 (b):No
CDTA:No MIXTURE/SOLID
SARA 311/312: Acute: yes
Chronic: yes
Fire: No
Pressure: No
Reactivity: No
Australian Hazchem Code: None allocated
Poison Schedule: None allocated

16. Other information

Overexposure symptoms. Caution! May cause irritation to skin, eyes, and respiratory tract. May be harmful if swallowed or inhaled. Possible irritation of eyes/stomach. Chronic: phosphates are slowly and incompletely absorbed when ingested and seldom result in systemic effects. Such effects however have occurred. Symptoms may include vomiting, lethargy, diarrhea, blood chemistry effects, heart disturbances and central nervous system effects. The toxicity of phosphates is because of their ability to sequester calcium. Systemic acidosis may result as this material is believed to hydrolyze into phosphoric acid when ingested. Chronic exposure: May sequester calcium and cause calcium phosphate deposits inthe kidneys. May cause liver damage, kidney damage, jaw/toothe abnormalities, blood disorders and cardiovascular effects can

Flammability

Health Reactivity

Revisions	NFPA
7/30/2010	0.1 updated msds to 16 section from 10 section msds. STN 0
6/20/2012	0.2 Revised to correct ingredient percentage

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