Material Safety Data Sheet

Alkalinity Test Kit p-m Total (RXSOL-62-5515-001)

1. Product and Company Identifaction

Product Name	Alkalinity Test Kit (p-m) Total
Part Number	RXSOL-62-5515-001

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

Phone	+91 22 65113333 / 5555 / 9999
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
Email	123@rxmarine.com
Website	www.rxmarine.com

2. Composition / informationon ingredients

Ingrident	CAS Number	Weiught Percentage
phenolphthalein Solution	77-09-8	1 - 5%
Sodium Thiosulfate	7772-98-7	1%
Bromophenol , sodium salt	62625-280-9	1-2%

3. Hazards Identification

Classification	Flammable liquid, Category 2, H225 .Carcinogenicity, Category 1B, H350 Germ cell mutagenicity, Category 2, H341
Signal Word	Hazard
Hazard Statement	May be harmful if swallowed. Causes skin irritation.Causes eye damage.
Precaunory Statement	Obtain special instructions before use.P210 Keep away from heat. P233 Keep container tightly closed. P281 Use personal protective equipment as required. Store in a well-ventilated place
Skin	Irritant
Eyes	Risk of damage to eyes.
Inhalation	Do not breathe vapour/spray
Ingestion	NA
Other Information	This solution is corrosive. It can cause eye and skin burns; if vapors or mists are inhaled, it may cause severe respiratory tract irritation with possible burns. If ingested, this product may cause severe digestive tract irritation with possible burns.

4. First Aid Measures

Skin	Generally the product does not irritate the skin. In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cold water may be used.Wash clothing before reuse. Thoroughly clean shoes before reuse.
Eyes	Rinse opened eye for several minutes under running water. Check for and remove any contact lenses. Cold water may be used. Get medical attention.
Inhalation	Supply fresh air; consult doctor in case of complaints. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	Rinse mouth with water. If swallowed, give a glass of water to drink. If vomiting occurs give further water. Seek medical advice.

5. Fire-fighting Measures

Suitable extinguishing media	Carbon dioxide (CO2), Foam, Dry powder
Unsuitable extinguishing media	For this substance/mixture no limitations of extinguishing agents are given.
Combustible material	Vapours are heavier than air and may spread along floors.
Forms explosive mixtures with air at elevated temperatures.	Development of hazardous combustion gases or vapours possible in the event of fire.
Special hazards arising from the substance or mixture	No further relevant information available
Special protective equipment for firefighters	Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing
Further information	Cool closed containers exposed to fire with water spray. Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. Accidental Release Measures

Small Spillage	Always wear recommended personal protective equipment. Evacuate unprotected personnel.
Large Spillage	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation.
Environmental precautions	Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water

7. Handling and Storage

Handling	Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Provide adequate ventilation
Storage	Store in the closed, original container in a dry, well ventilated area. Keep container tightly closed when not in use. Protect from light, heat and contamination by organic materials (will affect product stability). Keep away from Children. Store at +15°C to +25°C.
Incompatibilities	No further relevant information available.

8. Exposure controls and personal protection

Engineering Control	Local exhaust ventilation is recommended when vapours can be released in excess of established airborne exposure limits. Technical measures and appropriate working operations should be given priority over the use of personal protective equipment
Personal Protective Equipment	
Skin Protection	Disposable latex gloves and lab coat. See or follow local Standards for more information.

Eye Protection	For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear chemical safety goggles.
Respiratory Protection	None generally required for adequately ventilated work situations. In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
General protective and hygienic measures	Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.
Exposure Limits	
phenolphthalein Solution	IN OEL Time Weighted Average 1,000 ppm (TWA):1,900 mg/m³
Environmental exposure controls	Do not empty into drains. Risk of explosion.



Gloves



Suit

9. Physical and chemical properties

Appearance	Clear.
Physical State	Liquid
Odor	Alochol / Charastics
Odor Threshhold	Not Applicable
pH	Not Applicable
Flash Point	Pheolthphlene - 22 °C / Other have not flash point
Boiling Point	78.3 °C / 100 °C
Freezing Point	Not Applicable
Vapor Pressure	Not Applicable
Vapor Density (Air = 1.0)	Not Determine
Density	Not Applicable
Flammability	Not Applicable
Self-igniting	Product is not selfigniting.
Solubility in water	100 % Soluble
Danger of explosion	Not Applicable

10. Stability and reactivity

Stability Of Product	The product is stable. .
Thermal Decomposition	No decomposition if used according to specifications
Hazardous Decomposition	No dangerous reactions known.
Conditions to avoid	No further relevant information available
Incompatible materials	No further relevant information available.
Hazardous decomposition products	No dangerous decomposition products known.
Hazardous Polymerization	Will not occur.

11. Toxicological information

Immediate (Acute) Effects	**Phenolphthalein Solution** : Acute oral toxicity (LD50): 3600 mg/kg [Mouse]. (alcohol). Acute dermal toxicity (LD50): 12800 mg/kg [Rabbit].(alcohol). **Sodium Thiosulphate :** LD50: Not available. LC50: Not available.
Primary irritant effect	**Ingestion:** Swallowing can result in nausea, vomiting, diarrhoea, and abdominal pain. **Eye contact**: A severe eye irritant. Contamination of eyes can result in injury. **Skin contact**: Contact with skin will result in irritation. **Inhalation:** Breathing in vapour may produce respiratory irritation.
Additional toxicological information	No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs
Chronic effects	No information available for the product.

12. Ecological information

Acquatic toxicity	No further relevant information available
Persistence and degradability	Easily biodegradable
Bioaccumulative potential	No further relevant information available.
Ecological information	Do not allow product to reach ground water, water course or sewage system
Other adverse effects	No further relevant information available.

13. Disposal considerations

RCRA hazardous waste	Note Applicable
Diaposal Condition	Refer to local government authority for disposal recommendations. Dispose of contents/container in accordance with local/regional/national/international regulations.

14. Transport information

Road and Rail Transport	Not classified as a Dangerous Good under NZS 5433:2012 Transport of Dangerous Goods on Land.
Marine Transport	Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.
Air Transport	Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.
Proper Shipping Name	Chemical Testing Kit

15. Regulatory information

Subclass 6.1 Category E	Substances which are acutely toxic.
Subclass 6.3 Category A	Substances that are irritating to the skin.
Subclass 8.3 Category A	Substances that are corrosive to ocular tissue.
Hazard Statement	
H303	May be harmful if swallowed.
H315	Causes skin irritation.

H318	Causes serious eye damage.

16. Other information

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.