Material Safety Data Sheet

Phenol Solution 5% (RXSOL-60-6213-100)

1. Product and Company Identifaction

Product Name	RXSOL-60-6213-100
Product Type	Phenol Solution 5%

Company Details:

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

Phone	+91 22 65113333 / 5555 / 9999
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2. Composition / informationon ingredients

SARA 313 Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
Phenol	CAS#: 108-	5%	W/V	OSHA TWA 5 ppm (19 mg/mƒ)
Water, Deionized ASTM Type II	CAS# 7732-18-5	95%	V/V	None Established

3. Hazards Identification

May be fatal if inhaled, swallowed or absorbed thru the skin Avoid all contact. Use with adequate ventilation. Wash thoroughly after use. Keep container closed.

Emergency Overview:Poison! Danger! May Be Fatal If Swallowed, Inhaled Or Absorbed Through Skin. Rapidly Absorbed Through Skin. Corrosive. Causes Severe Burns To Every Area Of Contact. Affects Central Nervous System, Liver And Kidneys. Combustible Liquid And Vapor.

Inhalation:Breathing Vapor, Dust or Mist Results in Digestive Disturbances (Vomiting, Difficulty in Swallowing, Diarrhea, Loss of Appetite). Will Irritate, Possibly Burn Respiratory Tract. Other Symptoms Listed Under Ingestion May Also Occur.

Ingestion:Poison! Symptoms may Include Burning Pain in Mouth and Throat, Abdominal Pain, Nausea, Vomiting, Headache, Dizziness, Muscular Weakness, Central Nervous System Effects, Increase in Heart Rate, Irregular Breathing, Coma, and Possibly Death. Acute Exposure is Also Associated with Kidney and Liver Damage.

Skin:Corrosive! Rapidly Absorbed Through the Skin with Systemic Poisoning Effects to Follow. Discoloration and Severe Burns may Occur, but may be Disguised by a Loss in Pain Sensation.

Eye Contact:Corrosive! Eye Burns with Redness, Pain, and Blurred Vision may Occur. MayCause Severe Damage and Blindness.

Chronic Exposure:Repeated Exposure may Cause Symptoms Described for Acute Poisoning as well as Eye and Skin Discoloration.

Aggravated by Exposure:Persons with Pre-Existing Skin, Eye or Central Nervous System Disoreders, or Impaired Liver, Kidney or Pulmonary Function may be more Susceptible to the Effects of this Substance.

4. First Aid Measures

May be fatal if inhaled, swallowed or absorbed thru the skin Avoid all contact. Use with adequate ventilation. Wash thoroughly after use. Keep container closed.

SKIN:	Remove contaminated clothing. Wash exposed area with soap and water.
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:	Water spray, Carbon dioxide, dry chemical, powder, foam.
Fire / Explosion Hazards:	emits toxic fumes under fire conditions
Fire Fighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

6. Accidental Release Measures

wear protective clothing and respiratory protection from mists. Cover with soda or lime. Keep in closed container and hold for disposal..

Ventilate area of Leak or Spill. Remove all Sources of Ignition. Wear Appropriate Personal Protective Equipment as Specified in Section 8. Isolate Hazard Area. Keep Unnecessary and Unprotected Personnel from Entering. Contain and Recover Liquid when Possible. Use Non-Sparking Tools and Equipment. Neutralize with Soda Ash or Lime and Absorb with an Inert Material (e.g., Vermiculite, Dry Sand, Earth), and Place in a Chmical Waste Container. Do Not Use Combustible Materials, such as Saw Dust. Do Not Flush to Sewer! US Regulations (CERCLA) Require Reporting Spills and Releases to Soil, Water and Air in Excess of Reportable Quantities.

7. Handling and Storage

store in a cool dry place away from fire and flame.. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling

8. Exposure controls and personal protection

Respiratory Protection	Organic Vapor Cartridge
Ventilation	Local
OTHER	Mechanical
Protective Gloves	Solvent resistant gloves as neoprene or nitrile
EYE PROTECTION	Splash Goggles
Other Protective Equipment	Wear appropriate clothing to prevent skin exposure

9. Physical and chemical properties

BOILING POINT	Information not available

VAPOR PRESSURE	Information not available
MELTING POINT	Information not available
VAPOR DENSITY	Information not available
EVAPORATION RATE	Information not available
Appearance /Odors	Clear liquid phenol odor
Flash Point	Information not available
Specific Gravity	~1
Percent Volatile by Evaporation Standard	95%
Auto Ignition Temp	not available
Lower Flamm. Limit in Air	not available
Upper Flamm. Limit in Air	not available
Solubility in Water	Miscible

10. Stability and reactivity

STABILITY	Stable
CONDITIONS TO AVOID	heat, open flame, light
MATERIALS TO AVOID	Strong oxidizing agents, bases, acids.
HAZARDOUS DECOMPOSITION PRODUCTS	oxides of carbon,
HAZARDOUS POLYMERIZATION	not knowm to occur
Conditions to Avoid	None known

11. Toxicological information

Carcinogenic References: IARC Category-3, NTP Carcinogen - Known: No

12. Ecological information

Environmental Fate:When released into the soil, this material is expected to readily biodegrade. When released into the soil, this material is not expected to leach into groundwater. When eleased into the soil, this material may evaporate to a moderate extent. When released into the soil, this material is expected to have a half-life between 1 and 10 days. When released into water,this material is expected to readily biodegrade. When released into water, this material is not expected to evaporate significantly. When released into water, this material is expected to have a half-life between 10 and 30 days. This material has an estimated bioconcentration factor (BCF) of less than 100. This material is not expected to significantly bioaccumulate. When released into the air, this material is expected to be readily degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material may be moderately degraded by photolysis. When released into the air, this material is expected to have a half-life of less than 1 day.

Environmental Toxicity:This material is expected to be toxic to aquatic life. The LC50/96-hour values for fish are between 10 and 100 mg/l.

13. Disposal considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and
sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options.
State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport information

DOT Classification: UN2821, Phenol Solution, 6.1, PG II

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
Phenol(108-95-2)
TSCA Yes
EC Yes
Japan YES
Australia Yes

Chemical Inventory Status –
Part 2:Ingredient
Phenol(108-95-2)
Korea Yes
DSL Yes
NDSL No
Phil. Yes

Federal, State & International Regulations –
Part 1: Ingredient.
Phenol(108-95-2)
RQ 1000
TPQ 500*
List Yes
Chemical Catg: No

Federal, State &
International Regulations –
Part 2:Ingredient
Phenol(108-95-2)
CERCLA 1000
261.33 U188
8(d) No

Chemical Weapons Convention:No
TSCA 12 (b):No
CDTA:No Acute: Yes

Chronic: Yes

Fire: Yes

Pressure: No

Reactivity: No Mixture/Liquid)

SARA 311/312: 2x

Australian Hazchem Code:S6

Poison Schedule:

16. Other information

FATAL/TOXIC!! Effects of over exposure:fatal/destructive to soft tissue,mucous membranes,upper respiratory tract.acute:shortness of breathe,headache,nausea,vomiting and

wheezing.chronic:fatal/destructive if inhaled.target organs:liver,kidney,nervous system. Conditions aggravated/target organs. Persons with pre-existing eye,skin or respiratory conditions

Flammability

Health

Reactivity

Revisions	NFPA
7/26/2010	0.1 updated msds to 16 section from 10 section msds. STN

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