Material Safety Data Sheet

Formaldehyde 4% Solution (RXSOL-60-1191-500)

1. Product and Company Identifaction

Product Name	Formaldehyde 4% Solution
Product Type	RXSOL-60-6215-500

Company Details:

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

Stock Point : Mumbai, Kandla, Kolkata, Chennai, Visakhapatnam, Fujairah, Oman - Barka

Phone	+91 22 27815540 / 41 / 42
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
Formaldehyde, 37%	CAS# 50-00-0	4%	V/V	OSHA TWA 0.75ppm(0.9mg/mƒ),STEL 2ppm(2.5mg/m
Methanol (Methyl	CAS# 67-56-1	1%	V/V	OSHA TWA200 ppm,ACGIH STEL250 ppm
Water, Deionized ASTM Type II 18	CAS# 7732-18-5	95%	V/V	None Established

3. Hazards Identification

Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container

4. First Aid Measures

Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

SKIN:	In case of contact, immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes. Thoroughly clean clothing and shoes before reuse. If symptoms persist, 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:	Get medical attention immediately. Wash out mouth with water. Move exposed person to fresh air. If exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel.

5. Fire-fighting Measures

Fire Extinguisher Type:	Carbon Dioxide, dry chemical powder or appropriate foam
Fire / Explosion Hazards:	Thermal decomposition produces highly toxic fumes
Fire Fighting Procedure:	Use water spray to cool fire exposed containers. Wear self-contained breathing apparatus and proper clothing to prevent contact with skin & clothing.

6. Accidental Release Measures

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

7. Handling and Storage

Store in a cool dry well ventilated area out of direct sunlight. Keep away from heat and flame. Do not get in eyes, on skin, or on clothing.

8. Exposure controls and personal protection

Respiratory Protection	NIOSH/MSHA-approved respirator
Ventilation	Local
OTHER	Mechanical
Protective Gloves	NIOSH Approved Gloves
EYE PROTECTION	Goggles and Face Shield
Other Protective Equipment	Wear appropriate clothing to prevent skin exposure

9. Physical and chemical properties

BOILING POINT	~100° C
VAPOR PRESSURE	not available
MELTING POINT	~0° C
VAPOR DENSITY	not available
EVAPORATION RATE	N/E
Appearance /Odors	Clear liquid,strong odor
Flash Point	not flammable
Specific Gravity	1.0
Percent Volatile by Evaporation Standard	~100%
Auto Ignition Temp	N/E
Lower Flamm. Limit in Air	Not available
Upper Flamm. Limit in Air	Not available
Solubility in Water	Soluble

10. Stability and reactivity

STABILITY	Stable
CONDITIONS TO AVOID	Avoid contact with incompatible materials

MATERIALS TO AVOID	Oxidizing agents, metals, bases, amines.
HAZARDOUS DECOMPOSITION PRODUCTS	Toxic fumes of: Carbon Monoxide,Carbon Dioxide
HAZARDOUS POLYMERIZATION	Will Not Occur
Conditions to Avoid	None known

11. Toxicological information

NTP Carcinogen - Known: No - Anticipated: Yes, IARC Category- 2A CAS# 50-00-0 orl-rat LOD50: 800 mg/kg

12. Ecological information

The following statements refer to the environmental fate of formaldehyde:

When released into the soil, this material is expected to leach into groundwater. When released into water,this material is expected to readily biodegrade. When released into water, this material is not expected to evaporate significantly. This material is not expected to significantly bioaccumulate. When released into theair, this material is expected to be readily degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material is expected to be readily degraded by photolysis. When released into the air, this material is expected to be readily removed from the atmosphere by dry and wet deposition. When released into the air, this material is expected to have a half-life of less than 1 day.
The following toxicity information is for the formaldehyde portion: 96 Hr LC50 fathead minnow: 24.1 mg/L (flow-through);96 Hr LC50 bluegill: 0.10 mg/L (flow-through); 96 Hr EC50 water flea: 20 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 inaccordance with federal, state and local requirements.

14. Transport information

International (Water, I.M.O.)

Not regulated
International (Air, I.C.A.O.)

Not regulated
Formaldehyde solutions from 10% to 24.9% are regulated by IATA as Aviation regulated, N.O.S.(10%-24.9% Formaldehyde solution). Office of Hazardous Materials Safety Regulations and Interpretations; Refer# 010271. Refer to IATA for specific operator regulations.

DOT Classification: UN1198, Formaldehyde, Solutions,Flammable, 3,(8), PG III

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:
Chemical Inventory Status – Part 2:
Federal, State & International Regulations – Part 1:
Federal, State & International

Regulations – Part 2:
Chemical Weapons Convention:
TSCA 12 (b):
CDTA:
SARA 311/312:

Australian Hazchem Code:
Poison Schedule:
Ingredient TSCA EC Japan Australia
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Formaldehyde (50-00-0) Yes Yes Yes Yes
--Canada--
Ingredient Korea DSL NDSL Phil.
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Formaldehyde (50-00-0) Yes Yes No Yes
-SARA 302- ------SARA 313------
Ingredient RQ TPQ List Chemical Catg.
---------- --- ----- ---- --------------
Formaldehyde (50-00-0) 100 500 Yes No
-RCRA- -TSCAIngredient
CERCLA 261.33 8(d)
---------- ------ ------ ------
Formaldehyde (50-00-0) 100 U122 No
No
No
No
Acute: Yes Chronic: Yes Fire: Yes Pressure: No Reactivity: No (Mixture / Liquid)
2SE
S6

16. Other information

Flammability

Health Reactivity

Revisions	NFPA
8/21/2012	0.2 Revised air and water Transport information in section 14 to read not regulated per info provided from OFI LS
8/25/2010	0 Creation date LS
3/5/2012	0.1 Revised DOT from non-regulated to Formaldehyde, solutions, flammable, 3,(8) UN1198, PG III LS

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