Material Safety Data Sheet

Hydranal Coulomat AG (RXSOL-60-6298-500)

1. Product and Company Identifaction

Product Name	Hydranal Coulomat
Part Number	RXSOL-60-6298-500

Company Details:

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

Phone	+91 22 65113333 / 5555 / 9999 / 27815540
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
Email	123@rxmarine.com

2. Composition / informationon ingredients

Substance Name	CAS #	Percent	SARA 313
HYDRANAL COULOMAT AG	None		Yes
METHANOL	67-56-1	>= 60	Yes
IMIDAZOLE	288-32-4	>= 5	No
SULFUR DIOXCIDE	7446-09-5	>= 5 = 10	Yes
DIETHANOLAMINE	111-42-2	>= 5 = 20	Yes

3. Hazards Identification

EMERGENCY OVERVIEW

Toxic.Toxic by inhalation, in contact with skin and if swallowed. Toxic:danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. Risk of serious damage to eyes. Target organ(s): Eyes. Kidneys.

4. First Aid Measures

Oral Exposure	:	If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately.
Inhalation Exposure	:	If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.
Dermal Exposure	:	In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.
Eye Exposure	:	In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

5. Fire-fighting Measures

Flammable Hazards	:	Yes
Explosion Hazards	:	Vapor may travel considerable distance to source of ignition and flash back. Container explosion may occur under fire conditions.
Flash Point	:	57 °F 14 °C Method: closed cup

Autoignition Temp	:	N/A
Flammablity	:	N/A
Extinggushing Media	:	Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

Firefighting:

Protective Equipment	:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Flammable liquid. Emits toxic fumes under fire conditions

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6. Accidental Release Measures

Procedure To Be Followed In Case of Leak or Spill	:	Evacuate area. Shut off all sources of ignition.
Procedure(S) of Precaution(S)	:	Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.
Methods For Cleaning Up	:	Cover with dry-lime, sand, or soda ash. Place in covered containers using non-sparking tools and transport outdoors. Ventilate area and wash spill site after material pickup is complete.

7. Handling and Storage

Handling :

User Exposure	:	Do not breathe vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Do not use if skin is cut or scratched. Wash thoroughly after handling.

Storage :

Suitable	:	Keep container closed. Keep away from heat, sparks, and open flame.

8. Exposure controls and personal protection

Engineering Controls : Safety shower and eye bath. Use nonsparking tools. Use only in a chemical fume hood.

Personal Protective Equipment

Respiratory : Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.

Hand	:	Compatible chemical-resistant gloves.
Eye	:	Chemical safety goggles.
General Hygiene Measures	:	Wash contaminated clothing before reuse. Wash thoroughly after handling.

9. Physical and chemical properties

Physical State	Liquid
Molecular Weight	N/A
pH	5.0 - 6.0 20 °C
BP/BP Range	63 °C

MP/MP Range	N/A
Freezing Point	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Saturated Vapor Conc.	N/A
SG/Density	0.93 g/cm3
Bulk Density	N/A
Odor Threshold	N/A
Volatile%	N/A
VOC Content	N/A
Water Content	N/A
Solvent Content	N/A
Evaporation Rate	N/A
Viscosity	N/A
Surface Tension	N/A
Partition Coefficient	N/A
Decomposition Temp.	N/A
Flash Point	57 °F 14 °C
Explosion Limits	N/A
Flammability	N/A
Autoignition Temp	N/A
Refractive Index	N/A
Optical Rotation	N/A
Miscellaneous Data	N/A
Solubility	N/A

10. Stability and reactivity

Stable	:	Stable. Materials to Avoid: Strong oxidizing agents.
Hazardous Decomposition Products	:	Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Nitrogen oxides, Sulfur oxides, Hydrogen chloride gas, Hydrogen iodide.

Hazardous Polymerization

Hazardous Polymerization	:	Will not occur

11. Toxicological information

Route of Exposure

Skin Contact	:	May cause skin irritation.
Skin Absorption	:	Toxic if absorbed through skin.
Eye Contact	:	Causes severe eye irritation.
Inhalation	:	Material may be irritating to mucous membranes and upper respiratory tract. Toxic if inhaled.
Ingestion	:	Toxic if swallowed.

Irritation Data

Skin	:	
Rabbit	:	
Remarks	:	No irritation effect

12. Ecological information

Acute Ecotoxicity Tests

Test Type	:	LC50 Fish
Species	:	Carassius auratus (Goldfish)
Time	:	96 h
Value	:	> 1,000 mg/l

Test Type	:	LC0 Bacteria
Value	:	125 mg/l

13. Disposal considerations

Appropriate Method of Disposal of Substance or Preparation : Contact a licensed professional waste disposal service to dispose of this material. Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Observe all federal, state, and local environmental regulations.

14. Transport information

DOT

Proper Shipping Name	:	Methanol solution
UN#	:	1230
Class	:	3
Packing Group	:	Packing Group II
Hazard Label	:	Flammable liquid
PIH	:	Not PIH

IATA

Proper Shipping Name	:	Methanol solution
IATA UN Number	:	1230
Hazard Class	:	3
Packing Group	:	II

15. Regulatory information

EU Additional Classification

Symbol of Danger	:	F-T
Indication ofDanger	:	Highly Flammable. Toxic.
R	:	11-23/24/25-39/23/24/25-41
Risk Statements	:	Highly flammable. Toxic by inhalation, in contact with skin and if swallowed. Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. Risk of serious damage to eyes.
S	:	7-16-26-36/37/39-45

Safety Statements : Keep container tightly closed. Keep away from sources of ignition - no smoking. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves, and eye/face protection. In case of accident

or if you feel unwell, seek medical advice immediately (show the label where possible).

US Classification and Label Text

Indication of Danger	:	Flammable (USA) Highly Flammable (EU). Toxic.

Risk Statements : Toxic by inhalation, in contact with skin and if swallowed. Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. Risk of serious damage to eyes.

Safety Statements : Keep container tightly closed. Keep away from sources of ignition - no smoking. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves, and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

US Statements	:	Target organ(s): Eyes. Kidneys.

United States Regulatory Information

Sara Listed	:	Yes
Notes	:	This product is or contains a component that is subject to SARA313 reporting requirements.

Canada Regulatory Information

WHMIS Classification	:	This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.
DSL	:	No
NDSL	:	No

16. 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 Rx Marine International 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.