

1. Product and Company Identification

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Product Name Hardness Indicator Solution (AF Grade)
Product Type RXSOL-60-6232-100

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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SARA 313 Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
1,2-Propanediol(Propylene Glycol)	CAS# 57-55-6	30 - 40%	V/V	
Calmagite	CAS# 3147-14-6	0.05 -0.5%	W/V	None Established
Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

3. Hazards Identification

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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

Emergency Overview:Caution! May Cause Irritation to Skin and Eyes.

Inhalation:No Adverse Health Effects Expected from Inhalation.

Ingestion:Substance has Low Toxicity by Ingestion. Large Amounts May Cause Gastrointestinal Upset due to Osmotic Imbalance Caused by its ability to Sequester Metal Ions.

Skin:May Cause Irritation with Redness and Pain.

Eye Contact:May Cause Irritation, Redness and Pain.

Chronic Exposure:No Information Found.

Aggravated by Exposure:No Information Found.

4. First Aid Measures

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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: Wash exposed area with soap and water. If irritation persists, seek

EYES:

medical attention.

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. If large amounts are swallowed give water to drink and seek medical aid.

5. Fire-fighting Measures

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Fire Extinguisher Type:

Carbon Dioxide, dry chemical powder or appropriate foam

Fire Extinguisher Remarks:

None Known.

Fire Fighting Procedure:

Wear self-contained breathing apparatus and protective clothing to protect skin and clothing.

6. Accidental Release Measures

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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. Wear appropriate personal protective equipment as specified in Section 8.

Contain and recover liquid when possible. Collect liquid in an appropriate container or absorb with an inert material (e.g., Vermiculite, Dry Sand, Earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust.

Store in a cool dry place. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Protect from freezing.

8. Exposure controls and personal protection

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Respiratory Protection

None required

Ventilation

Local

OTHER

Mechanical

Protective Gloves

Wear appropriate gloves to prevent skin exposure

EYE PROTECTION

Chemical safety goggles

Other Protective Equipment

Wear appropriate clothing to prevent skin exposure

9. Physical and chemical properties

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BOILING POINT

information not available

VAPOR PRESSURE

not available

MELTING POINT

information not available

VAPOR DENSITY

not available

EVAPORATION RATE

information not available

Appearance /Odors

clear red liquid / mild

Flash Point

Not applicable

Specific Gravity

information not available

Process Viable by

information not available

Exposure Standard

Auto Ignition Temp

Not applicable

Lower Flamm. Limit in Air

Not applicable

Solubility in Water

Soluble

10. Stability and reactivity

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STABILITY

CONDITIONS TO AVOID

See Incompatibilities

MATERIALS TO AVOID

Acid chlorides, acid anhydrides, oxidizing agents, chlorofromates, and

HAZARDOUS DECOMPOSITION

CO, CO₂

PRODUCTS

HAZARDOUS POLYMERIZATION

will not occur

Conditions to Avoid

None known

11. Toxicological information

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

12. Ecological information

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No information found..

13. Disposal considerations

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Dilute with water and flush to sewer if local ordinances allow, otherwise 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 regulation may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport information

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DOT Classification: Not Regulated

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

15. Regulatory information

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Chemical Inventory Status

Part 1:Ingredient

Calmagite (3147-14-6)

Propylene Glycol (57-55-6)

TSCA Yes Yes

EC Yes Yes

Japan No Yes

Australia Yes Yes

Chemical Inventory Status

Part 2:Ingredient

Calmagite (3147-14-6)

Propylene Glycol (57-55-6)

Korea NO Yes

DSL Yes Yes

NDSL No No

Phil. Yes Yes

Federal, State & International Regulations

Part 1: Ingredient.
Calmagite (3147-14-6)
Propylene Glycol (57-55-6)
RQ NO No
TPQ NO Yes
List NO No
Chemical Catg No No

Federal, State &
International Regulations ☑

Part 2:Ingredient
Calmagite (3147-14-6)
Propylene Glycol (57-55-6)
CERCLA NO No
261.33 No No
8(d) No No

Chemical Weapons Convention:No
TSCA 12 (b):No
CDTA:NO
SARA 311/312: Acute: NO
Chronic: NO
Fire: No
Pressure: No
Reactivity: No

Australian Hazchem Code: None
Poison Schedule: None allocated

16. Other information

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Effects of overexposure. Acute and chronic: Harmful by inhalation, ingestion, skin absorption. May cause eye and skin irritation and central nervous system problems. May cause GI disturbances, nausea, headache and vomiting. Target organs: None. Persons with pre-existing disorders may be more susceptible.

Flammability

Health

Reactivity

Revisions
7/29/2010

NFPA
0.1 updated msds to 16 section from 10 section msds. STN

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