Material Safety Data Sheet

Antifreeze with Potassium Chromate (RXSOL-60-6236-100)

1. Product and Company Identifaction

Product Name	Potassium Chromate Solution with Antifreeze
Product Type	RXSOL-60-6236-100

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / informationon ingredients

SARA 313 Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
Methanol (Methyl)	CAS# 67-56-1	25 - 40%		OSHA TWA200 ppm,ACGIH STEL250 ppm
Potassium Chromate	CAS# 7789-00-6	4 - 8%	W/V	TLV/TWA 0.05 mg/m*f*
Water, Deionized ASTM Type II	CAS# 7732-18-5	90%	V/V	None Established

3. Hazards Identification

Causes severe irritation and burns. May be harmful if swallowed. May be harmful if absorbed through the skin. Avoid breathing vapor or dust.Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

Emergency Overview:Danger! Strong Oxidizer. Contact With Other Material May Cause Fire. Harmful If Swallowed Or Inhaled. May Cause Burns To Skin And Eyes. May Cause Allergic Skin Or Respiratory Reaction.

Inhalation:May irritate the mucous membranes. May cause lung edema. Symptoms may include
sore throat, shortness of breath, inflammation of nasal passages, coughing, and wheezing. Any exposure may cause an allergic reaction. Asthma-like symptoms and life-threatening shock may result.

Ingestion:Corrosive. May produce abdominal pain, nausea and vomiting.

Skin:Corrosive. May cause skin burns.

Eye Contact:May cause severe irritation and pain.

Chronic Exposure:Prolonged skin contact may cause an allergic reaction with dermatitis.

Aggravation of Pre-existing Conditions:Persons with impaired respiratory function may be more susceptible to the effects of the substance.

4. First Aid Measures

Causes severe irritation and burns. May be harmful if swallowed. May be harmful if absorbed through the skin. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

SKIN:	Remove contaminated clothing. Wash exposed area with soap and water. if irritation persists, 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:	Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.

5. Fire-fighting Measures

Fire Extinguisher Type:	Alcohol Resistant Foam or Carbon Dioxide
Fire / Explosion Hazards:	Material will burn in a fire.
Fire Fighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

6. Accidental Release Measures

Eliminate Ignition Sources. Absorb with vermiculite or other inert material. Place in container. If fire hazard exists, blanket spill with alcohol foam or use water spray Ventilate area of leak or spill. 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. Neutralize with alkaline material (soda-Ash, lime), then absorb with an inert material (e.g., vermiculite, drysand, earth), and place In a chemical 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

Wash thoroughly after handling. Remove contaminated clothes and wash before reuse. Use with adequate ventilation. Keep in tightly closeD container. Do not expose to sources of ignition.Containers of this material may be hazardous when.

8. Exposure controls and personal protection

Respiratory Protection	None required
Ventilation	Local
OTHER	Mechanical
Protective Gloves	Wear appropriate gloves to prevent skin exposure
EYE PROTECTION	Safety Glasses w/Side Shields
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	not available
EVAPORATION RATE	information not available
Appearance /Odors	Clear, yellow, odorless liquid
Flash Point	Not applicable
Specific Gravity	information not available

Percent Volatile by Evaporation Standard	~95%
Auto Ignition Temp	Not applicable
Lower Flamm. Limit in Air	Not applicable
Upper Flamm. Limit in Air	Not applicable
Solubility in Water	Soluble

10. Stability and reactivity

STABILITY	Stable
CONDITIONS TO AVOID	Avoid contact with incompatible materials.
MATERIALS TO AVOID	Bases, organic material, Halogens,metalacetylides, Oxides, nitric acid and potassium tertbutoxide.
HAZARDOUS DECOMPOSITION PRODUCTS	Oxides of carbon and formaldehyde if heated.
HAZARDOUS POLYMERIZATION	will not occur
Conditions to Avoid	None known

11. Toxicological information

Carcinogenic References: NTP Carcinogen - Known: Yes - Anticipated: No, IARC Category- 1

12. Ecological information

No information found.

13. Disposal considerations

Disposal should be made in accordance with federal, state and local regulations.

14. Transport information

DOT Classification: UN1230, Methanol, 3, PG II

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

15. Regulatory information

All components listed on TSCA Inventory.

16. Other information

May cause eye skin and respiratory burns. May cause alllergic skin reaction. May cause damage to internal organs. Corrosive properties! If ingested do not induce vomiting. Give large amounts of water. Get immediate medical attention. Potassium Chromate is listed as a substance

which may be reasonably anticipated to be
a carcinogen by the National Toxicology Program (NTP).Acute/Chronic effects: Nasal septum irritation, skin ulcer,sensitization and dermatitis, leukocytoses, leukopenia,monocytosis, eosinophilia, and conjunctivitis. Conditions aggravated: Chronic respiratory disease, pre-existing eye, skin, and blood disorders, impaired kidney or liver function.

INGESTION:May be poisonous or fatal or cause blindness if swallowed.Exposure may adversely affect people with chronic disease of thecentral nervous system, skin, gastrointestinal tract or eyes.

Flammability

Health

Reactivity

Revisions	NFPA
6/17/2010	0.1 updated msds to 16 section from 10 section msds. STN
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