

1. Product and Company Identification

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Product Name RXSOL-60-6190-500
Product Type Hydrogen Peroxide with Silver Nitrate Microquell shield

Company Details:

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

Stock Point ::: Mumbai, Kandla, Kolkata, Vizag, Chennai, Fujairah UAE, Oman Muscat

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2. Composition / Information on ingredients

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SARA 313 Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
Hydrogen Peroxide 50%	7722-84-1	8-10%	V/V	OSHA TWA 1 ppm (1.4 mg/m ³)
Water, Deionized ASTM Type II	7732-18-5	91.1 %	V/V	None Established
Silver Nitrate Solution	7761-88-8	0.01%	w/v	

3. Hazards Identification

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Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

Emergency Overview:Warning! May be Harmful if Swallowed. Causes Eye Irritation.

Inhalation:Not Expected to be a Health Hazard under Normal Conditions.

Ingestion:Large Oral doses May Cause Irritation and Blistering to the Mouth, Throat, and Abdomen. May also Cause Abdominal Pain, Vomiting, and Diarrhea.

Skin:No Adverse Effects Expected on Intact Skin. Contact on Burn or Open Skin may Cause Stinging Pain or Irritation.

Eye Contact:Causes Irritation, Redness, and Pain.

Chronic Exposure:No Information Found.

4. First Aid Measures

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Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

SKIN:	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 and flushing thoroughly. If irritation persists, seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, provide artificial respiration. If breathing is difficult, give oxygen
INGESTION:	Give several glasses of milk or water. Vomiting may occur spontaneously. Do not induce vomiting unless necessary to induce. Never give anything by mouth to an unconscious person.

5. Fire-fighting Measures

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Fire Extinguisher Type:	Any means suitable for extinguishing surrounding fire
Fire / Explosive Hazards:	Caution: Contact with combustible materials may cause a fire.
Fire Fighting Procedures:	Wear self contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

6. Accidental Release Measures

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Dilute with water. Flush excess down drain. 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.

7. Handling and Storage

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

8. Exposure controls and personal protection

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Respiratory Protection	None required
Ventilation	Local
OTHER	Mechanical
Protective Gloves	Gloves to prevent skin exposure as rubber or vinyl
EYE PROTECTION	Splash Goggles
Other Protective Equipment	Wear appropriate clothing to prevent skin exposure

9. Physical and chemical properties

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BOILING POINT	~100° C
VAPOR PRESSURE	not available
MELTING POINT	~0° C
VAPOR DENSITY	not available
EVAPORATION RATE	1
Appearance /Odors	Colorless, odorless liquid
Flash Point	not flammable
Specific Gravity	~1.01
Produced by 100%	water 1
Exposure Standard	

Water Ignition Group	Not applicable
Lower Phases, Limited to Air	Not applicable
Upper Phases, Limited to Air	Not applicable

Solubility in Water

Soluble

10. Stability and reactivity

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STABILITY

5076

CONDITIONS TO AVOID

Temperature extremes, heat, light

MATERIALS TO AVOID

Flammables, combustibles, Cyanides,

Acids, carboxylic. Reducing agent

HAZARDOUS DECOMPOSITION
PRODUCTS

Hydrogen Oxide

HAZARDOUS POLYMERIZATION not expected to occur

Conditions to Avoid

None known

11. Toxicological information

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

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 Regulations 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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International (Water, IMO, IATA)

Not Regulated

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

Hydrogen Peroxide (7722-84-1)

TSCA Yes

EC Yes

Japan No

Australia Yes

Chemical Inventory Status ☐

Part 2:Ingredient

Hydrogen Peroxide (7722-84-1)

Korea Yes

DSL Yes

NDSL No

Phil. Yes

Federal, State & International Regulations ☐

Part 1: Ingredient.

Hydrogen Peroxide (7722-84-1)

RQ NO

TPQ NO

List NO

Chemical Catg No

Federal, State &

International Regulations ☐

Part 2:Ingredient

Hydrogen Peroxide (7722-84-1)

CERCLA No

261.33 No

8(d) No

Chemical Weapons Convention:No

TSCA 12 (b):YES

CDTA:NO Mixture/Liquid)

SARA 311/312: Acute: Yes

Chronic: NO

Fire: No

Pressure: No

Reactivity: No

Australian Hazchem Code: None

Poison Schedule: S5

16. Other information

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Solution has oxidizing properties. Skin contact may cause irritation, burns, Eye contact may cause irritation, discomfort, burns. Ingestion may release large amounts of oxygen, Cause burns to GI and intestinal tract. Treat symptomatically. Persons with preexisting skin, eye or mucous membrane disorders may be more

Flammability

Health

Reactivity

Revisions

NFPA

5/10/2011

0.2 Revised sec 14 LS

7/29/2010

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

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