Material Safety Data Sheet

Hydrogen Peroxide 4% Soultion (RXSOL-60-6190-500)

1. Product and Company Identifaction

Product Name	RXSOL-60-6190-500
Product Type	Hydrogen Peroxide 3% Soultion

Company Details:

RX MARINE INTERNATIONAL
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VASHI ,NEW BOMBAY 400703 INDIA

Phone	+91 22 65113333 / 5555 / 9999
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2. Composition / informationon ingredients

SARA 313 Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
Hydrogen Peroxide 35%	CAS# 7722-84-1	8-10%	V/V	OSHA TWA 1 ppm (1.4 mg/m*f*)
Water, Deionized ASTM Type II	CAS# 7732- 18-5	91.1 %	V/V	None Established

3. Hazards Identification

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 Irritaiton 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

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 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 it is not necessary to induce. Never give anything by mouth to an unconscious person.

5. Fire-fighting Measures

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

6. Accidental Release Measures

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

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

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

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
Percent Volatile by	100%
Evaporation Standard	water-1
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	Temperature extremes, heat, light
MATERIALS TO AVOID	Flammables, combustibles, Cyanides, Acids, permanganates, Reducing agents
HAZARDOUS DECOMPOSITION PRODUCTS	Hydrogen, Oxygen
HAZARDOUS POLYMERIZATION	not expected to occur
Conditions to Avoid	None known

11. Toxicological information

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

12. Ecological information

No Information Found.

13. Disposal considerations

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

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

Chemical Inventory Status –
Part 1:Ingrdient
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

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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