Material Safety Data Sheet

Food Grade Disinfectant ORG TR 50 - 25 ltr (RXSOL-40-4098-035)

1. Product and Company Identifaction

Product Name	RXSOL-40-4098-035
Product Type	ORG TR 50

Company Details:

RX MARINE INTERNATIONAL
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VASHI ,NEW BOMBAY 400703 INDIA

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2. Composition / informationon ingredients

According to the EC-directives this product is a preparation.Declaration of ingredients according to EC recommendatio(89/542/EEC):

Description of the danger substances in the preparation:

CAS-nr	EINECS	Discription	Content (%)	Symbol	R-phrases
7722-84-1	231-765-0	Hydrogen peroxide	50	O,C	8-34

3. Hazards Identification

Hazard calculation : C, corrosive

Special hazard indication for humans and environment:

- · Oxidizing product, may cause burns.
- · Swallowing causes serious acute effects.
- · In fire situations, it may decompose yielding oxygen.
- · Can cause spontaneous combustion of combustible materials.
- · In contact with organic materials like oils, fats, wood and textiles, combustion takes place under oxygen delivery; by this a fire can start.
- · Risk of exothermal decomposition in contact with incompatible substances, e.g. metal ions, alkalis, reducing agents.
- · In the presence of high concentrations of iron, manganese and other metal oxides, decomposition can be violent.
- · Rapid decomposition accompanied by rising temperature may lead to bursting of the can.

4. First Aid Measures

General indication:

- Take affected person out into the fresh air away from of the danger area.
- Take care of self protection.
- Remove contaminated clothes immediately.

After Inhaling: Prickling / irritates the bronchia.

- Provide fresh air supply.
- If unconscious, support and transport in stable lateral position.

After skin contact: Acute irritation, redness, pain.

- Immediately, wash off with water and soap and rinse.
- Clothing soiled with product should be removed immediately.

After eye contact: Acute irritation, pain.

- Rinse eye with open lid under running water for at least 10 minutes.

- Remove contact lenses if easily possible.Always consult a doctor.

After swallowing: Acute irritation, pain.

- Rinse mouth with water and allow patient to drink water.
- Provide fresh air supply.
- Do not force to vomit.
- Consult doctor immediately.

5. Fire-fighting Measures

The product contains hydrogen peroxide, which is not combustible. But will aid burning of combustible materials.

Suitable media for extinguishing fires:

- Water, foam, dry powder, carbon dioxide.Special protective clothing:
- No special requirements.

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6. Accidental Release Measures

Personal related safety requirements:

- Wear personal protective clothing (see Section 8) Environmental safety requirements:
- Dilute with copious amounts of water. Never allow undiluted material to enter drainage systems or soils. Procedure for cleaning / absorption:
- Absorb with sand, sawdust, diatomaceous earth or other neutralising absorbent material.
- Dilute with plenty of water and discharge into the waste water. Supplementary directions:
- Never return spilled product to original can.(Risk for decomposition, see Section 3).
- Contaminated material should be disposed of in accordance with Section 13.
- Area should be well ventilated.

7. Handling and Storage

HANDLING:

- · Instructions for safe handling:
- · During use do not eat, drink or smoke.
- · Avoid contact with skin, eyes and clothes.
- · Avoid inhalation as much as possible.
- · Consult Product Information sheet.
- · Wear suitable protective clothing and eyes/face protection.

Instructions for fire and explosion prevention:

- · Protect from heat.
- · Do not mix with other products.
- · Do not bring into contact with combustible substances.
- · Never return spilled product to original can.

STORAGE:
· Store as dangerous goods.

- · Requirements for storage space and container:
- · Do not store in containers other than as supplied.
- · Keep container tightly closed use self vent caps.
- · Protect from heat and light; keep in a cool and dark place.
- · Keep away from sources of ignition.
- · Instruction for storage with other materials:
- · Do not store with organic materials.
- · Keep away from combustible substances,reducing or oxidizing agents, strong alkalis and other incompatible substances (See Section 10)

8. Exposure controls and personal protection

General measures:

- · Observe the directions for use. (See Section 7)
- · Provide fresh air supply.
- · Keep running water at hand.

Exposure limits:

CAS-Nr	Chemical compound	type	value	unit
7722-84-1	Hydrogen peroxide	MAC1		ppm
		MAC1,4		mg/m3

General instructions for protection and hygiene:

- · Keep away from food and drinks.
- · Remove product saturated clothing immediately.
- · Wash hands before break and after work.
- · Avoid contact with eyes and skin.

Personal protection outfit Personal equipment:

- · Protective clothing (PVC, neoprene, natural rubber). Protection against inhalation:
- · Take care of sufficient ventilation. In case of atomize:
- · Respiratory protective equipment. Filter type NOCO.

Hand protection:

- · Gloves are necessary. (PVC, neoprene, natural rubber).Consult technical specifications at selection.

Eye protection:

- · Wear tight-fitting safety goggles

Acute effects:
Skin:

- · Corrosive causes burns, redness. White colouring (oxygen emphysema).

Eyes:

- · May cause severe conjunctivitis, cornea injury or irreversible damage to the eyes. Symptoms are sometimes delayed. Sensitivity:
- · Not known.

Ingestion:

- · Swallowing may lead to internal burning.
- · Rapid liberation of oxygen may lead to gastric distension and bleeding. As swallowing a large quantity could cause severe damage to internal organs.

Inhalation:

- · Inhalation may lead to severe irritation of the respiratory tract and may cause inflammation.

9. Physical and chemical properties

Shape:	Liquid
Colour :	Colourless
Odour :	Pungent
Density :	1203 kg/mg
pH :	1.3
Decomposition temperture :	na
Flash point :	Not flammable
Explosive properties :	
Oxidisig properties :	Involves fire

Viscosity :	20
Solubility in organic :	solvents 0%
Boiling point/range :	114 C
Melting point/range :-	-52 C

10. Stability and reactivity

Stability:

- · The product is stabilised.

Conditions to be avoided:

- · See section 7.

Substances to be avoided:

- · Flammable and reducing substances.
- · Take care that no impurities enter the can.

Dangerous reactions:

- · None, at normal usage. (See section 3).

Products of decomposition:

- · Water and oxygen.

Huwa-San TR50 is an oxidising agent and is highly reactive. It is stable at room temperature but will decompose if exposed to heat. There is a risk of self-accelerating exothermic decomposition yielding oxygen in the presence of certain substances viz metal ions, metallic salts, metals,alkalis, hydrochloric acid, reducing agents combustible substances and certain solvents

11. Toxicological information

This product, based on the composition mentioned at section 2, is classified as C, corrosive. Acute toxicity :
LC50 (rat, inhalation, 4h.) : 2480 mg/m3 SafeSolXL
LD50 (rat, oral) : 105 mg/kg (50% hydrogen peroxide)
LD50 (rabbit, dermal) : 4060 mg/kg (50% hydrogen peroxide)

12. Ecological information

There is no ecological information known about this product.

Environmental guidelines:

- · Strong oxidizing product.

Eco-toxicological information:

- · LD50, (goldfish, 48 hrs.): 35 mg/l hydrogen peroxide

Other ecological information:

- · Hydrogen peroxide decomposes in oxygen and water.
- · Never allow undiluted material to enter drainable systems or soils.

13. Disposal considerations

Product :

- · Normally the product can be used completely.
- · Empty containers should be rinsed prior to disposal.
- · Remainder of the product and not rinsed packaging must be treated as chemical waste.
- · Can be safely disposed of in effluent water assuming proper dilution conditions and local regulations are adhered to.

Packaging:

- · Container is only meant for packaging of cleaning products.
- · Rinsed containers can be treated as normal waste.

14. Transport information

UN-NO. 2014
Name of product:: · HYDROGEN PEROXIDE, AQUEOUS SOLUTION, 5.1 (8), II

Rail/Road (RID/ADR)
Class: 5.1
Classification code: OC1
Packaging group: ll
Labels: 5.1 + 8
Danger number: 58

Sea (IMDG)
IMDG-class: 5.1

Packaging group: II
Danger labelling: 5.1 + 8
Marine pollutant: No
EMS-number: 5.1 - 02
MFAG-number: N735

Air
ICAO / IATA Class prohibited
Correct technical name: Hydrogen Peroxide,
Aqueous solution

Transport/ Additional Information

Dangerous according to the transport regulations GGVS/GGVE/RID/ADR/IMDG Code /ICAO_TI: Yes

15. Regulatory information

Name of product: Huwa-San TR50

Labelling of the preparation dangerous for supply in line with EC Directive:
Indication of danger: C Corrosive.
Risk-phrases: R34 Causes burns.

Safety-phrases:
· S3 Keep in a cool place.
· S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
· S36/37/39Wear suitable protective clothing,gloves and eye/face protection.
· S45 In case of accident or if you feel unwell,
· Seek medical advice immediately (show the label where possible).

Name on the label: Huwa-San TR50

16. Other information

The data presented here correspond to the present state of our knowledge and are intended to describe the preparation with respect to possible safety demands. The safety information is given on the supposition that the product will be used in the manner and for the purposes given by the manufacturer. The user must take all the precautions given by the manufacturer.

Issue date: 04 July 2003 (second edition)
History: Second edition replaces the first edition (23-11-1996)
Redactor: Product development Relevant R-phrases:
8: Contact with combustible material may cause fire.
34: Causes burns.

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