

1. Product and Company Identification

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Product Name Pine Oil Emulsifier
Part Number RXSOL-13-1751-050

Company Details:....

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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Substances

Concentration range of the constituent (% weight/weight)	CE Number / Registration Number	CAS	Chemical name
?50% and ?100		8002-09-3	Pine oil

3. Hazards Identification

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Classification of the substance or mixture

Classification according to the Regulation (EC) No 1272/2008

Flammable liquids, Hazard Category 3; H226

Serious eye damage/eye irritation, Hazard Category 2; H319

Sensitisation Skin, Hazard Category 1; H317

Aspiration hazard, Hazard Category 1; H304

Hazardous to the aquatic environment long-term hazard, category chronic 2; H411.

Label elements

Signal word Danger

Hazard Statements H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H411: Toxic to aquatic life with long lasting effects.

Precautionary Statements P210: Keep away from heat, hot surfaces, sparks, open flames and other

ignition sources. No

smoking.

P280: Wear protective gloves/eye protection/face protection.

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P331: Do NOT induce vomiting.

P337+P313: If eye irritation persists: Get medical advice/attention.

P501: Dispose of contents/container to an approved waste disposal plant.
Not available.

Other hazards

4. First Aid Measures

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Description of first aid measures

Consumption

If swallowed, rinse mouth with water.

Seek medical advice immediately and show this container or label.

Do NOT induce vomiting.

Eye contact

First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.

Inhalation

Remove person to fresh air and keep at rest

Skin contact

Remove contaminated clothes. Rinse skin with plenty of water or shower. Refer for medical attention.

Most important symptoms and effects, both acute and delayed

May produce an allergic reaction.

Indication of any immediate medical attention and special treatment needed

Not available

5. Fire-fighting Measures

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Extinguishing media

Recommended: Foam or dry powder.

Special hazards arising from the substance or mixture

For safety reasons do not use full water jet.

Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard.

In a fire or if heated, a pressure increase will occur and the container may burst, with the

risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along

the ground. Vapors may accumulate in low or confined areas or travel a considerable

distance to a source of ignition and flash back.

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distance to a source of ignition and flash back.

Not applicable.

Closed containers may build up pressure at elevated temperatures.

Avoid inhalation of fumes or vapours. Use appropriate respiratory protection.

Prevent run-off from fire fighting to enter drains or water courses.

Advice for firefighters

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures

Do NOT smoke and do NOT expose the product to an open flame or to any other potential source of ignition.

Wear appropriate gloves to prevent skin exposure.

Avoid contact with skin and inhalation of its vapours or smoke.

Maintain adequate ventilation in the working area after spilling.

Avoid contaminating the environment via the sewers or water sources.

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash).

Ventilate area and wash spill site after material pickup is complete.

Dispose of in accordance with current laws and regulations.

For disposal see section 13.

Environmental precautions

Methods and materials for containment and cleaning up

Reference to other sections

7. Handling and Storage

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Precautions for safe handling

Keep away from food, drink and animal feedingstuffs. Do not smoke.

Avoid contact with skin and eyes.

Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Keep the product in its original container well sealed, in a dry and ventilated area, away from potential sources of ignition and protected from light. Store in accordance with local/national regulations and follow the

Specific end use(s)

warnings on the label.

Not available.

8. Exposure controls and personal protection

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Control parameters

Declaration of substances is not required.

Exposure controls

Personal protection equipment

Use personal protection equipment according to Directive 89/686/EEC.

Engineering Controls-Ventilation

The areas where the product is handled and stored should be adequately ventilated.

Respiratory Protection

Use personal breathing apparatus whenever deemed necessary.

Skin Protection

Avoid contact with skin. Compatible chemical-resistant gloves are recommended. Wash contaminated gloves before reuse.

Eye/Face protection

Chemical safety goggles are recommended. Wash contaminated goggles before reuse.

9. Physical and chemical properties

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Appearance

LIQUID

Colour

COLORLESS

Odor

CAMPHORACEOUS, FRESH

Density

0,908 g/cm³ (20 °C)

Boiling Point

168 - 230 °C

Flash Point

55 °C

Refractive Index

1,470 - 1,480 (20 °C)

Additional information

Not applicable.

10. Stability and reactivity

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Reactivity

Not available.

Chemical stability

Stable under normal operating conditions.

Possibility of hazardous reactions

Hazardous Polymerization: It does not undergo any dangerous reactions under normal conditions.

Conditions to avoid

Heat, flames and other sources of ignition.

Incompatible materials

Oxidizing mineral acids, strong reducing agents, strong oxidizing agents

Hazardous decomposition products

Carbon monoxide and other unidentified organic compounds may be formed upon combustion.

11. Toxicological information

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Information on toxicological effects

Toxicological effects

See also sections 2 and 3.

12. Ecological information

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Acute aquatic toxicity

Not determined

Persistence and degradability

Not available

Bioconcentration Factor

Mobility in soil

Not available

Results of PBT and vPvB assessment
Other adverse effects

Not determined
Do not allow the material to enter streams, sewers or other waterways.

13. Disposal considerations

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Waste treatment methods

Container disposal

Containers must be disposed of as hazardous waste. Do not reuse empty containers. Dilute the remaining material and neutralise. Empty residue into a suitable disposal site

Disposal conditions

Dispose of in accordance with all state and local environmental regulations.

This material and its container must be disposed of in a safe way.

14. Transport information

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International Carriage of Dangerous Goods by Road (ADR)

UN number	UN1272
UN proper shipping name	PINE OIL
Packaging group	III
Class	3
Tunnel restriction code	(D/E)

Sea Transport (IMDG)

UN number	UN1272
UN proper shipping name	Pine oil
Packaging group	III
Class	3
Marine Pollutant	Yes

Air Transport (ICAO/IATA)

UN No.	UN1272
UN proper shipping name	Pine oil
Packaging group	III
Class	3

15. Regulatory information

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Safety, health and environmental regulations/legislation specific for the substance or mixture

Substances are either included in EINECS, ELINCS, NLP inventories or exempt.

Chemical Safety Assessment

Not available.

16. Other information

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Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages.

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