

## 1. Product and Company Identification

www.rxmarine.com

Product Name RXSOL-60-6604-576

Product Type EUGENOL 99% LR

Revised date

Company Details:

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

Stock Point : Mumbai, Kandla, Chennai, Visakhapatnam, Kolkata, Fujairah, Muscat Barka

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Email [mail@rxmarine.com](mailto:mail@rxmarine.com)

## 2. Composition / Information on ingredients

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Substance / Preparation : Eugenol

CAS No :97-53-0 S

ubstance.

Substance name Contents CAS No

Eugenol : 100 % 97-53-0

Contains no other components or impurities which will influence the classification of the product.

## 3. Hazards Identification

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3.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Classification : Xn; R22 Xi; R38 R43 Hazard Class and Category Code(s), Regulation

(EC) No 1272/2008 (CLP) Health hazards : Specific Target Organ

Toxicity - Single exposure - Category 2 - Warning (CLP : STOT SE 2) H371

Acute toxicity, Oral - Category 4 - Warning (CLP : Acute Tox. 4) H302

Skin sensitisation - Category 1 - Warning (CLP : Skin Sens. 1) H317

Skin irritation - Category 2 - Warning (CLP : Skin Corr. 2) H315

3.2. Label elements

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Symbol(s) : Xi : Irritant Xn : Harmful

R Phrase(s) : R22 : Harmful if swallowed.

R38 : Irritating to skin. R43 : May cause sensitization

by skin contact.

R68 : Possible risks of irreversible effects.

S Phrase(s) : S23 : Do not breathe the gas,

fumes, vapours, spray. S24/25 : Avoid contact with skin and eyes.

S36/37 : Wear suitable protective clothing and gloves.

Labelling Regulation EC 1272/2008 (CLP)

Hazard pictograms

Signal words : Warning

Hazard statements : H302 : Harmful if swallowed.

H315 : Causes skin irritation.

H317 : May cause an allergic skin reaction.

H371 : May cause damage to organs. Precautionary statements

☒ Prevention : P280: Wear protective gloves, protective clothing,

eye protection, face protection. P260: Do not breathe dust, fume,

gas, mist, vapours, spray. P264: Wash thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P272: Contaminated work clothing should not be allowed out of the workplace.

☒ Response : P302+P352: IF ON SKIN : Wash with plenty of soap and water.

P301+P312: IF SWALLOWED : Call a POISON CENTER or doctor if you feel unwell.

P309+P311: IF exposed or if you feel unwell : Call a POISON CENTER or doctor.

P333+P313: If skin irritation or rash occurs : Get medical advice.

P363: Wash contaminated clothing before reuse.

☒ Storage : P405: Store locked up.

☒ Disposal considerations : P501: Dispose of this material and its container to

hazardous or special waste collection point, in accordance with local, regional,

national and/or international regulation.

### 3.3. Other hazards

Other hazards : The substance does not fulfil the criteria to be identified as

PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

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## 4. First Aid Measures

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### 4.1. Description of first aid measures

Inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing.

Skin contact : If skin irritation or rash occurs : Wash contaminated clothing before reuse.

Wash with plenty of soap and water. Get medical advice. Specific treatment (see on this label).

Eye contact : Remove contact lenses, if present and easy to do. Continue rinsing.

Rinse cautiously with water for several minutes. Ingestion : Do NOT induce vomiting.

Rinse mouth. Call a POISON CENTER or doctor if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms relating to use : Swallowing a small quantity of this material will result in serious health hazard.

Causes skin irritation. May cause an allergic skin reaction. May cause damage to organs.

### 4.3. Indication of any immediate medical attention and special treatment needed

General information : Never give anything by mouth to an unconscious person.

If you feel unwell, seek medical advice (show the label where possible).

## 5. Fire-fighting Measures

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### 5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

Surrounding fires : Use water spray or fog for cooling exposed containers.

### 5.2. Special hazards arising from the substance or mixture

Hazardous combustion products : Under fire conditions, hazardous fumes will be present.

### 5.3. Advice for fire-fighters

Protection against fire : Do not enter fire area without proper protective equipment,

including respiratory protection. Special procedures : Exercise caution when fighting

any chemical fire. Avoid (reject) fire-fighting water to enter environment.

## 6. Accidental Release Measures

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### 6.1. Personal precautions, protective equipment and emergency procedures

For emergency responders : Equip cleanup crew with proper protection. Ventilate area.

Avoid breathing dust, fume, gas, mist, vapours, spray.

For non-emergency personnel : Evacuate unnecessary personnel.

### 6.2. Environmental precautions

Environmental precautions : Prevent entry to sewers and public waters.

Notify authorities if product enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

Clean up methods : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Store away from other materials. Collect spillage.

### 6.4. Reference to other sections

See section 8. Exposure controls/personal protection

## 7. Handling and Storage

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### 7.1. Precautions for safe handling

Personal protection : Wash thoroughly after handling.

Do not breathe dust, fume, gas, mist, vapours, spray.

Do not eat, drink or smoke when using this product.

Handling : Contaminated work clothing should not be allowed out of the workplace. Wash thoroughly after handling.

Avoid breathing dust, fume, gas, mist, vapours, spray. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Technical protective measures : Provide good ventilation in process area to prevent formation of vapour.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage : Keep only in the original container in a cool, well ventilated place.

Keep container closed when not in use. Storage - away from : Strong bases.

Strong acids. Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

Specific end use(s) : None.

## 8. Exposure controls and personal protection

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8.1. Exposure controls

Personal protection : Avoid all unnecessary exposure.

☒ Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

☒ Hand protection : Wear protective gloves.

☒ Skin protection : Wear suitable protective clothing.

☒ Eye protection : Chemical goggles or safety glasses.

☒ Others : When using, do not eat, drink or smoke.

8.2. Control parameters

Occupational Exposure Limits : No data available.

## 9. Physical and chemical properties

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9.1. Information on basic physical and chemical properties

Physical state at 20 °C : Liquid.

Odour threshold : No data available.

pH value : No data available.

Melting point [°C] : -12 - -10 °C

Decomposition point [°C] : N/A

Critical temperature [°C] : N/A

Auto-ignition temperature [°C] : N/A

Flammability (solid, gas) : N/A

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Flash point [°C] : 112 °C

Boiling point [°C] : 254 °C

Initial boiling point [°C] : N/A

Final boiling point [°C] : N/A

Evaporation rate : N/A

Vapour pressure [20°C] : N/A

Vapour pressure mm/Hg : 0.03

mm of Hg (@ 20° Vapour density : N/A

Density [g/cm<sup>3</sup>] : 1.067

g/cm<sup>3</sup> at 25 °C

Relative density, gas (air=1) : N/A

Relative density, liquid (water=1) : N/A

Solubility in water [% weight] : Insoluble in water

Solubility in water : N/A

Log Pow octanol / water at 20°C : No data available.

Solubility : N/A

Viscosity at 40°C [mm<sup>2</sup>/s] : N/A

## 9.2. Other information

Explosive properties : N/A

Explosion limits - upper [%] : N/A

Explosion limits - lower [%] : N/A

Oxidising properties : No data available.

## 10. Stability and reactivity

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### 10.1. Reactivity

Reactivity : Not established.

### 10.2. Chemical stability

Chemical stability : Stable under

recommended storage conditions.

### 10.3. Possibility of hazardous reactions

Hazardous reactions : Not established.

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#### 10.4. Conditions to avoid

Conditions to avoid : Direct sunlight.

Extremely high or low temperatures.

#### 10.5. Incompatible materials

Materials to avoid : Strong acids. Strong bases.

#### 10.6. Hazardous decomposition products

Hazardous decomposition products : Fumes.

Carbon monoxide. Carbon dioxide.

## 11. Toxicological information

[www.rxmarine.com](http://www.rxmarine.com)

### 11.1. Information on toxicological effects Acute toxicity

☒ Inhalation : Based on available data, the classification criteria are not met.

☒ Dermal : Based on available data, the classification criteria are not met.

☒ Ingestion : Harmful if swallowed. Corrosion : Based on available data, the classification criteria are not met.

Irritation : Causes skin irritation. Sensitization : May cause an allergic skin reaction.

Mutagenicity : Based on available data, the classification criteria are not met.

Carcinogenicity : Based on available data, the classification criteria are not met.

Toxic for reproduction : Based on available data, the classification criteria are not met.

STOT-single exposure : Causes damage to organ.

STOT-repeated exposure : Based on available

data, the classification criteria are not met.

Aspiration hazard : Based on available data, the classification criteria are not met.

## 12. Ecological information

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### 12.1. Toxicity

Toxicity information : Not established.

### 12.2. Persistence - degradability

Persistence - degradability : Biodegradable.

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### 12.3. Bioaccumulative potential

Bioaccumulative potential : Not established.

### 12.4. Mobility in soil

Mobility in soil : Not established.

### 12.5. Results of PBT and vPvB assessment

MOLYCHEM Office: 78/80 Babu Genu Road, Souri Bldg., 2nd Floor,

Mumbai 400 002 (INDIA) Tel: +91 22 4066 8111, 2205 7772 .

Fax: + 91 22 2203 4442. Email : info@molychem.net Works: Plot No.

B/9, Badlapur M.I.D.C.,OPP.Shobhavat Textile Co., Kulgaon, Badlapur

(E), Dist.-Thane-421 503 Results of PBT and vPvB assessment : The

substance does not fulfil the criteria to be identified as PBT substance or

vPvB substance according to Annex XIII of Regulation REACH.

### 12.6. Other adverse effects

Environmental precautions : Avoid release to the environment.

## 13. Disposal considerations

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### 13.1. Waste treatment methods

General : Avoid release to the environment.

Dispose in a safe manner in accordance with

local/national regulations. Dispose of this material

and its container to hazardous or special waste collection

point, in accordance with local, regional, national and/or international regulation.

## 14. Transport information

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### 14.1. Land transport (ADR-RID)

General information : Not regulated.

### 14.2. Sea transport (IMDG) [English only]

General information : Not regulated.

General information : Not regulated.

## 15. Regulatory information

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

Safety, health and environmental : Ensure all national/local regulations are observed.

regulations/legislation specific for the substance or mixture

REACH Restrictions - Annex XVII : The components of this product are not subject to restrictions.

REACH Authorisation - Annex XIV : The components of this product are not subject to authorization.

15.2. Chemical Safety Assessment

Chemical Safety Assessment : It has not been carried out.

## 16. Other information

[www.rxmarine.com](http://www.rxmarine.com)

Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic. vPvB: very persistent and very bioaccumulative

Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives

67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 Further information : None. In accordance with

REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

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