

## 1. Product and Company Identification

www.rxmarine.com

Product Name RXSOL-60-6604-674

Product Type HEXANE AR

Revised date

Company Details:

RX MARINE INTERNATIONAL  
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## 2. Composition / Information on ingredients

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Substance / Preparation : Hexane

CAS No :110-54-3

Substance.

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 : F; R11

Repr. Cat. 3; R62

Xn; R65-48/20 R67

Xi; R38 N; R51-53

Hazard Class and Category Code(s),Regulation (EC) No 1272/2008 (CLP)

Health hazards : Reproductive toxicity - Fertility - Category 2 - Warning (CLP : Repr.

2) H361 Specific Target Organ Toxicity - Single exposure - Respiratory tract irritation -

Category 3 - Warning (CLP : STOT SE 3) H335 Specific Target Organ Toxicity - Single

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exposure - Narcotic effects - Category 3 - Warning (CLP : STOT SE 3) H336

Specific Target Organ Toxicity - Repeated exposure - Category 2 - Warning (CLP :

STOT RE 2) H373 Aspiration hazard - Category 1 - Danger (CLP : Asp. Tox. 1) H304

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

Physical hazards : Flammable liquids - Category 2 - Danger (CLP : Flam. Liq. 2) H225

Environmental hazards : Hazardous to the aquatic environment - Chronic hazard -

Category 2 (CLP : Aquatic Chronic 2) H411

### 3.2. Label elements

Labelling EC 67/548 or EC 1999/45

Symbol(s) : F : Highly flammable

Xn : Harmful

N : Dangerous for the environment

R Phrase(s) : R11 : Highly flammable.

R38 : Irritating to skin.

R48/20 : Harmful : danger of serious damage to health by prolonged exposure through inhalation.

R62 : Possible risk of impaired fertility.

R65 : Harmful : may cause lung damage if swallowed.

R67 : Vapours may cause drowsiness and dizziness.

R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S Phrase(s) : S2 : Keep out of the reach of children.

S9 : Keep container in a well-ventilated place.

S16 : Keep away from sources of ignition - No smoking.

S29 : Do not empty into drains.

S33 : Take precautionary measures against static discharges.

S36/37 : Wear suitable protective clothing and gloves.

S61 : Avoid release to the environment. Refer to special instructions/Safety data sheets.

S62 : If swallowed, do not induce vomiting : seek medical advice immediately and show this container or label.

Labelling Regulation EC 1272/2008 (CLP)

Hazard pictograms

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Signal words : Danger

Hazard statements : H225 : Highly flammable liquid and vapour.

H304 : May be fatal if swallowed and enters airways.

H361f : Suspected of damaging fertility.

H315 : Causes skin irritation.

H335 : May cause respiratory irritation.

H336 : May cause drowsiness or dizziness.

H373 : May cause damage to organs through prolonged or repeated exposure.

H411 : Toxic to aquatic life with long lasting effects.

Precautionary statements

☒ General : P102: Keep out of reach of children.

P103: Read label before use.

P101: If medical advice is needed, have product container or label at hand.

P201: Obtain special instructions before use.

☒ Prevention : P240: Ground/bond container and receiving equipment.

P241: Use explosion-proof electrical, ventilating, lighting, , equipment.

P210: Keep away from heat, sparks, open flames or hot surfaces. ☒ No smoking.

P280: Wear protective gloves, protective clothing, eye protection, face protection.

P271: Use only outdoors or in a well-ventilated area.

P260: Do not breathe dust, fume, gas, mist, vapours, spray.

P273: Avoid release to the environment.

P233: Keep container tightly closed.

P264: Wash thoroughly after handling.

☒ Response : P301+P310: IF SWALLOWED : Immediately call a POISON CENTER or doctor.

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

P308+P313: If exposed or concerned : get medical advice.

P332+P313: If skin irritation occurs : Get medical advice.

P391: Collect spillage.

P304+P340: IF INHALED : Remove to fresh air and keep at rest in a position comfortable for breathing.

P303+P361+P353: IF ON SKIN (or hair) : Remove immediately all contaminated clothing. Rinse skin with water/shower.

P363: Wash contaminated clothing before reuse.

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P314: Get medical advice if you feel unwell.

P370+P378: In case of fire: Use for extinction.

☒ Storage : P403+P233: Store in well-ventilated place. Keep container tightly closed.

P403+P235: Store in well-ventilated place. Keep cool.

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.

## 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.

Call a POISON CENTER or doctor if you feel unwell.

Skin contact : Wash contaminated clothing before reuse. If skin irritation occurs : Get medical advice. Specific treatment (see on this label). Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water.

Eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

Ingestion : Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor.

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

Symptoms relating to use : Causes damage to organ. May be fatal if swallowed and enters airways. Suspected of damaging fertility. Causes skin irritation. May cause respiratory irritation. May cause drowsiness or dizziness.

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

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

If exposed or concerned : get medical advice.

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## 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

Flammable class : Highly flammable liquid and vapour.

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

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

### 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.

Technical measures : Use special care to avoid static electric charges.

Special precautions : Remove ignition sources. No naked lights. No smoking.

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. Avoid release to the environment.

### 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. Collect spillage. Store away from other materials.

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## 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

Handling : Handle empty containers with care because residual vapours are flammable.

Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Obtain special instructions before use.

Technical protective measures : Provide good ventilation in process area to prevent formation of vapour. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof electrical, ventilating, lighting, , equipment.

Special precautions : No naked lights. No smoking. Avoid breathing dust, fume, gas, mist, vapours, spray.

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

Storage : Keep only in the original container in a cool, well ventilated place. Keep in fireproof place. Ground/bond container and receiving equipment. Keep container tightly closed.

Storage - away from : Strong bases. Strong acids. Sources of ignition. Direct sunlight. Heat sources.

### 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

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, respiratory protection equipment is recommended. Wear respiratory protection.

☒ 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

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

Physical state at 20 °C : Liquid.

Odour threshold :: No data available

pH value : No data available

Melting point [°C] : -95 °C

Decomposition point [°C] : N/A

Critical temperature [°C] : N/A

Auto-ignition temperature [°C]. : 225 °C

Flammability (solid, gas) : : Highly flammable liquid and vapour.

Flash point [°C] : -23°C

Boiling point [°C] : 68 - 70°C

Initial boiling point [°C] : 68°C

Final boiling point [°C] : 70 °C

Evaporation rate: N/A

Vapour pressure [20°C] : N/A

Vapour pressure mm/Hg : 151 mm Hg at 25°C

Vapour density : 2.97

Density [g/cm<sup>3</sup>] : 0.678

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

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

Solubility in water [% weight] : Insoluble.

Solubility in water: N/A

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

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Solubility: N/A

Viscosity at 40°C [mm<sup>2</sup>/s] : 0.31 mPas 20°C

## 9.2. Other information

Explosive properties : N/A

Explosion limits - upper [%]: 7.50%

Explosion limits - lower [%]: 1.10%

Oxidising properties : No data available.

## 10. Stability and reactivity

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

### 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.

### 10.4. Conditions to avoid

Conditions to avoid : Direct sunlight. Extremely high or low temperatures. Open flame.

### 10.5. Incompatible materials

Materials to avoid : Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Hazardous decomposition products : Fumes. Carbon monoxide. Carbon dioxide.

May release flammable gases

## 11. Toxicological information

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

### 11.1. Information on toxicological effects

Acute toxicity

Inhalation : May be fatal if swallowed and enters airways.

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

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☞ Ingestion : May be fatal if swallowed and enters airways.

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

Irritation : Causes skin irritation. May cause respiratory irritation.

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

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 : Suspected of damaging fertility.

STOT-single exposure : May cause drowsiness or dizziness.

STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : May be fatal if swallowed and enters airways.

## 12. Ecological information

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

### 12.1. Toxicity

Toxicity information : Toxic to aquatic life with long lasting effects.

### 12.2. Persistence - degradability

Persistence - degradability : May cause long-term adverse effects in the environment.

### 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

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

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

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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.

Special precautions : Handle empty containers with care because residual vapours are flammable. Hazardous waste due to toxicity.

## 14. Transport information

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

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

Proper shipping name : HEXANE

UN N° : 1208

H.I. nr : 33

ADR - Class : 3

Labelling - Transport : 3 : Flammable liquid.

ADR - Classification code : F1

ADR - Group : II

ADR - Packing instructions : P001 R001

ADR - Limited Quantity : 1 L

ADR - Tunnel code : D/E : Bulk or tank carriage: Passage forbidden through tunnels of category D and

E. Other carriage: Passage forbidden through tunnels of category E.

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

Proper shipping name : HEXANES

UN N° : 1208

IMO-IMDG - Class or division : 3 : Flammable liquid.

IMO-IMDG - Packing group : II

IMO- IMDG - Packing instructions : P001

IMO-IMDG - Limited quantities : 1 L

IMO-IMDG - Marine pollution : Yes

EMS-Nr : F-E S-D

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### 14.3. Air transport (ICAO-IATA) [English only]

Proper shipping name : HEXANE

UN N° : 1208

IATA - Class or division : 3 : Flammable liquid.

IATA - Packing group : II

IATA - Passenger and Cargo Aircraft : ALLOWED

- Passenger and Cargo - Packing : 353 instruction

- Passenger and Cargo - Maximum : 5 LQuantity/Packing

IATA - Cargo only : ALLOWED

- Cargo only - Packing instruction : 364

- Cargo only - Maximum Quantity/ : 60 L

Packing IATA - Limited Quantities : 1 L

ERG-Nr : 3H

## 15. Regulatory information

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

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.

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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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