

## 1. Product and Company Identification

www.rxmarine.com

Product Name RXSOL-60-6605-743  
Product Type TOLUENE AR  
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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## 2. Composition / Information on ingredients

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Substance / Preparation: Toluene

CAS No :108-88-3

Substance.

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

## 3. Hazards Identification

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### 2.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Classification: F; R11Repr.

Cat. 3; R63Xn; R65-48/20R67Xi; R38

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

(CLP)Health hazards: Reproductive toxicity-Unborn Child-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 exposure-Narcotic effects-

Category 3-Warning (CLP : STOT SE 3) H336Specific Target Organ

Toxicity-Repeated exposure-Category 2-Warning (CLP :STOT RE 2) H373

Aspiration hazard-Category 1-Danger (CLP : Asp. Tox. 1) H304

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

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

### 3.2. Label elements

Labelling EC 67/548 or EC 1999/45

Symbol(s): F : Highly

flammableXn : Harmful 2 of 10 R Phrase(s)

R38 : Irr : R11 : Highly flammable. irritating to skin.

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

R63 : Possible risk of harm to the unborn child.

R65 : Harmful : may cause lung damage if swallowed.

R67 : Vapours may cause drowsiness and dizziness.

S Phrase(s) 46, : S2 : Keep out of the reach of children.

S36/37 : Wear suitable protective clothing and gloves.

S62 : If swallowed, do not induce vomiting : seek medical advice

immediately and show this container or label.

Labelling Regulation EC 1

Hazard pictograms

Signal words : Danger

Hazard statements : H225 : Highly flammable liquid and vapour.

H304 : May be fatal if swallowed and enters airways.

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.

H361d: Suspected of damaging the unborn child. 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 explosionproof electrical, ventilating, lighting, , e equipment.

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

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

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P271: Use only outdoors or in a wellventilated area.

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

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.

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.

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 : Wash with plenty of soap and water. Get medical advice.

Specific treatment (see on this label). Remove/ Take off immediately all contaminated clothing.

Eye contact: Rinse immediately with plenty of water.

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Obtain medical attention if pain, blinking or redness persists.

Ingestion: Rinse mouth. Do NOT induce vomiting.

Immediately call a POISONCENTER 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. Causes skin irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of damaging the unborn child.

#### 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.

## 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

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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.

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

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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.

## 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.

## 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. Obtain special instructions before use.

Wash thoroughly after handling. Use only outdoors or in a well-ventilated area.

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, and 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, 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

.ILV (EU)-8H-[ppm]: ( 50 Skin. )

ILV (EU)-8 H-[mg/m<sup>3</sup>]: ( 192 Skin. )

ILV (EU)-15 min-[ppm]: ( 100 Skin. )

ILV (EU)-15 min-[mg/m<sup>3</sup>]: ( 384 Skin. )

OEL (UK)-LTEL [ppm]: 50 OEL (UK)-STEL [ppm]: 150

# 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: Aromatic benzene-like

Odour threshold: No data available.

pH value: No data available.

Melting point [°C]: -95

Decomposition point [°C]: N/A

Critical temperature [°C]: N/A

Auto-ignition temperature [°C]: 535

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

Flash point [°C]: 4°C

Boiling point [°C]: 110-111 °C initial

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boiling point [°C]: 110 °C

Final boiling point [°C]: 111 °C

Evaporation rate: 2,24

Vapour pressure [20°C]: 22 @ 20C

Vapour pressure mm/Hg: 22 @ 20C

Vapour density: 3,14

Density [g/cm3]: 0,86

Relative density, gas (air=1): 3.2

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.

Solubility: N/A

Viscosity at 40°C [mm2/s]: N/A

## 9.2. Other information

Explosive properties: N/A

Explosion limits-upper [%]: 7Explosion

limits-lower [%]: 1.2Oxidising

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.

### 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.

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## 10.6. Hazardous decomposition products

Hazardous decomposition products: Fumes.

Carbon monoxide. Carbon dioxide. May release flammable gases.

## 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.

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

Rat oral LD50 [mg/kg]: 7000 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 the unborn child.

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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

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### 12.1. Toxicity

Toxicity information: Not established.

### 12.2. Persistence-degradability

Persistence-degradability: Biodegradable.

### 12.3. Bioaccumulative potential

Bioaccumulative potential: Not established.

### 12.4. Mobility in soil

Mobility in soil: Not established.

Log Pow octanol / water at 20°C: 2.6

### 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

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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.

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

Proper shipping name: TOLUENE

UN N°: 1294

H.I. nr: 33

ADR-Class: 3

Labelling-Transport: 3 : Flammable liquid.

ADR-Classification code: F1A

DR-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: TOLUENE

UN N°: 1294

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: NoEMS-Nr: F-E S-D

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

Proper shipping name: TOLUENE

UN N°: 1294

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 L

Quantity/Packing

IATA-Cargo only: ALLOWED-

Cargo only-Packing instruction: 364-

Cargo only-Maximum Quantity/: 60 L

PackingIATA-Limited Quantities: 1

LERG-Nr: 3L

## 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: With the exception of those listed

below:Annex XVIIThe 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

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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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