

## 1. Product and Company Identification

www.rxmarine.com

Product Name

RXSOL-60-6605-771

Product Type

TRIFLUOROACETIC ACID

Revised date

Company Details:

RX MARINE INTERNATIONAL  
105, A wing , BSEL , TECH PARK.  
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[mail@rxmarine.com](mailto:mail@rxmarine.com)

## 2. Composition / Information on ingredients

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Substance / Preparation : Preparation.

Substance name Contents Contents CAS No

TRIFLUOROACETIC ACID : ----- 76-05-1

## 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; R20

C; R35

R52-53

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

Health hazards : Skin corrosion - Category 1A - Danger (CLP : Skin Corr. 1A) H314

Acute toxicity, Inhalation - Category 4 - Warning (CLP : Acute Tox. 4) H332

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

Category 3 (CLP : Aquatic Chronic 3) H412

3.2. Label elements

Labelling EC 67/548 or EC 1999/45

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Symbol(s) : C : Corrosive

R Phrase(s) : R20 : Harmful by inhalation.

R35 : Causes severe burns.

R52/53 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S Phrase(s) : S9: keep container in a well ventilated place.

S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S27 : Take off immediately all contaminated clothing.

S28 : After contact with skin, wash immediately with

S45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).

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

Labelling Regulation EC 1272/2008 (CLP)

Hazard pictograms


Signal words : Danger

Hazard statements : H314 : Causes severe skin burns and eye damage.

H332 : Harmful if inhaled.

H412 : Harmful to aquatic life with long lasting effects.

Precautionary statements

 Prevention : 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.

P264: Wash thoroughly after handling.

Response : P301+P330+P331: IF SWALLOWED : Rinse mouth.

Do NOT induce vomiting.

P305+P351+P338: IF IN EYES : Rinse cautiously with water for several minutes.

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

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.

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Rinse skin with water/shower.

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.

## 4. First Aid Measures

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### 4.1. Description of first aid measures

Inhalation : Immediately call a POISON CENTER or doctor. Remove to fresh air and keep at rest in a position comfortable for breathing.

Skin contact : Immediately call a POISON CENTER or doctor. Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing.

Eye contact : Immediately call a POISON CENTER or doctor. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.

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

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

Symptoms relating to use : Danger of serious damage to health by prolonged exposure through inhalation. Causes severe skin burns and eye damage.

### 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

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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.

Thermal decomposition generates : Corrosive vapours.

## 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.

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 : On land, sweep or shovel into suitable containers. Minimize generation of dust. 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 : Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Avoid contact during pregnancy or while nursing. Do not breathe dust, fume, gas, mist, vapours, spray.

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 regulation : Comply with applicable regulations.

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 : In case of insufficient ventilation, wear suitable respiratory equipment.

☑ Hand protection : Wear protective gloves.

☑ Skin protection : Wear suitable protective clothing.

☑ Eye protection : Chemical goggles or face shield.

☑ 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 : Not applicable.

Melting point [°C] : -15,4 °C

Decomposition point [°C] : N/A

Critical temperature [°C] : N/A

Auto-ignition temperature [°C] : N/A

Flammability (solid, gas) : N/A

Flash point [°C] : N/A

Boiling point [°C] : 72.4 °C

Initial boiling point [°C] : N/A

Final boiling point [°C] : N/A

Evaporation rate : N/A

Vapour pressure [20°C] : 130 hPa at 20°C

Vapour pressure mm/Hg : N/A

Vapour density : N/A

Density [g/cm<sup>3</sup>] : 1,489

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

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

Solubility in water [% weight] : Miscible in water

Solubility in water : N/A

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

Solubility : Acidic.

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.

#### 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.

Thermal decomposition generates : Corrosive vapours.

## 11. Toxicological information

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#### 11.1. Information on toxicological effects

Toxicity information : The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.

##### Acute toxicity

☒ Inhalation : Harmful if inhaled.

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

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

Corrosion : Causes severe skin burns and eye damage.

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

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

STOT-single exposure : Based on available data, the classification criteria are not met.

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 : Harmful 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)

### 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)

Proper shipping name : TRIFLUOROACETIC ACID

UN N° : 2699

H.I. nr : 88

ADR - Class : 8

Labelling - Transport : 8 : Corrosive substance.

ADR - Classification code : C3

ADR - Group : I

ADR - Packing instructions : P001

ADR - Limited Quantity : 0

ADR - Tunnel code : E : Passage forbidden through tunnels of category E.

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

Proper shipping name : TRIFLUOROACETIC ACID

UN N° : 2699

IMO-IMDG - Class or division : 8 : Corrosive substance.

IMO-IMDG - Packing group : I

IMO- IMDG - Packing instructions : P001

IMO-IMDG - Limited quantities : None

IMO-IMDG - Marine pollution : No

EMS-Nr : F-A S-B

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

Proper shipping name : TRIFLUOROACETIC ACID

UN N° : 2699

IATA - Class or division : 8 : Corrosive substance.

IATA - Packing group : I

IATA - Passenger and Cargo Aircraft : ALLOWED

- Passenger and Cargo - Packing : 850

instruction

- Passenger and Cargo - Maximum : 0.5 L

Quantity/Packing

IATA - Cargo only : ALLOWED

- Cargo only - Packing instruction : 854

- Cargo only - Maximum Quantity/ : 2.5 L

Packing ERG-Nr : 8N

## 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:

The components of this product are not subject to restrictions.

Annex XVII

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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