

## 1. Product and Company Identification

www.rxmarine.com

Product Name RXSOL-60-6604-036  
Product Type BENZALKONIUM CHLORIDE 50% AQUEOUS SOLUTION  
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

www.rxmarine.com

3.1. Substances Not applicable

3.2. Mixtures

Substance name Contents CAS No BENZALKONIUM CHLORIDE 49.5 - 50.5 63449- 41- 2 WATER 50 - 50.5 7732-18-5

## 3. Hazards Identification

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2.1. Classification of the substance or mixture

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

[CLP]Mixtures/Substances: SDS EU 2015: According to

Regulation (EU) 2015/830 (REACH Annex II)

Acute toxicity (oral),

Category 4

H302 Skin corrosion/irritation,

Category 1 H314

Hazardous to the aquatic environment ☒ Acute Hazard, Category 1 H400

Adverse physicochemical, human health and environmental effects

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

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Extra labelling to display Extra classification(s) to display

Symbol(s) : Xn: Harmful

C: Corrosive

N : Dangerous for the environment

R Phrase(s) : R21/22 : Harmful in contact with skin and if swallowed.

R34 : Cause burns.

R50 : Very toxic to aquatic organisms.

S Phrase(s) : S26: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39: Wear suitable protective clothing and gloves & eye/face protecting.

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

S61 : avoid release to the environment . refer to special instruction/safety data sheets.

Hazard pictograms :

GHS05 GHS07 GHS09



Signal word (CLP) : Danger

Hazard statements (CLP) : H302 - Harmful if swallowed.

H314 - Causes severe skin burns and eye damage.

H400 - Very toxic to aquatic life.

Precautionary statements (CLP) : P260 - Do not breathe

dust/fume/gas/mist/vapours/spray.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

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

P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

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

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P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTER/doctor

### 2.3. Other hazards

No additional information available

## 4. First Aid Measures

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

### 4.1. Description of first aid measures First-aid measures

after inhalation : Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. If you feel unwell, seek medical advice.

First-aid measures after skin contact : Wash skin with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Remove contact lenses, if present and easy to do.

Continue rinsing. Rinse cautiously

with water for several minutes. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth out with water. If you feel unwell, seek medical advice.

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

Symptoms/effects : Causes severe skin burns and eye damage.

Symptoms/effects after ingestion : Harmful if swallowed.

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

Treat symptomatically.

## 5. Fire-fighting Measures

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

### 5.1. Extinguishing media

Suitable extinguishing media : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>).

Unsuitable extinguishing media : Do not use extinguishing media containing water.

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

No additional information available

## 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment.

# 6. Accidental Release Measures

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

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

### 6.1.1. For non-emergency personnel

Emergency procedures : Avoid contact with skin, eyes and clothing.

### 6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required.

## 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Clean contaminated surfaces with an excess of water.

## 6.4. Reference to other sections

No additional information available

# 7. Handling and Storage

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

## 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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

Storage conditions : Store in a well-ventilated place. Keep container tightly closed.

## 7.3. Specific end use(s)

No additional information available

## 8. Exposure controls and personal protection

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

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Hand protection : Protective gloves

Eye protection : Chemical goggles or safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Wear respiratory protection.

## 9. Physical and chemical properties

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

### 9.1. Information on basic physical and chemical properties

Odour threshold : No data available

pH : No data available

Relative evaporation rate (butylacetate=1) : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapour pressure : No data available

Relative vapour density at 20 °C : No data available

Relative density : No data available

Solubility : No data available

Log Pow : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosive properties : No data available

Oxidising properties : No data available

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Explosive limits : No data available

## 9.2. Other information

No additional information available

# 10. Stability and reactivity

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

## 10.1. Reactivity

No additional information available

## 10.2. Chemical stability

Stable under normal conditions.

## 10.3. Possibility of hazardous reactions

No additional information available

## 10.4. Conditions to avoid

Direct sunlight.

## 10.5. Incompatible materials

No additional information available

## 10.6. Hazardous decomposition products

No additional information available

# 11. Toxicological information

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

## 11.1. Information on toxicological effects

Acute toxicity : Oral: Harmful if swallowed.

ATE CLP (oral) 500 mg/kg bodyweight

Skin corrosion/irritation : Causes severe skin burns and eye damage.

Serious eye damage/irritation : Serious eye damage, category 1, implicit

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

## 12. Ecological information

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

### 12.1. Toxicity

No additional information available

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## 13. Disposal considerations

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

### 13.1. Waste treatment methods

No additional information available

## 14. Transport information

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

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

UN-No. (ADR) : 3265

UN-No. (IMDG) : 3265

UN-No. (IATA) : 3265

UN-No. (ADN) : 3265

UN-No. (RID) : 3265

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

Proper Shipping Name (IMDG) : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

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Proper Shipping Name (IATA) : Corrosive liquid, acidic, organic, n.o.s.

Proper Shipping Name (ADN) : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

Proper Shipping Name (RID) : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

Transport document description (ADR) : UN 3265 CORROSIVE LIQUID, ACIDIC,  
ORGANIC, N.O.S., 8, II, (E),

ENVIRONMENTALLY HAZARDOUS

Transport document description (IMDG) : UN 3265 CORROSIVE LIQUID, ACIDIC,  
ORGANIC, N.O.S., 8, II,

MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS

Transport document description (IATA) : UN 3265 Corrosive liquid, acidic, organic  
, n.o.s., 8, II, ENVIRONMENTALLY HAZARDOUS

Transport document description (ADN) : UN 3265 CORROSIVE LIQUID, ACIDIC,  
ORGANIC, N.O.S., 8, II, ENVIRONMENTALLY HAZARDOUS

Transport document description (RID) : UN 3265 CORROSIVE LIQUID, ACIDIC,  
ORGANIC, N.O.S., 8, II,

ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

ADR: Transport hazard class(es) (ADR) : 8

Danger labels (ADR) : 8

IMDG :Transport hazard class(es) (IMDG) : 8

Danger labels (IMDG) : 8

IATA :Transport hazard class(es) (IATA) : 8

Hazard labels (IATA) : 8

ADN:Transport hazard class(es) (ADN) : 8

Danger labels (ADN) : 8

RID :Transport hazard class(es) (RID) : 8

Danger labels (RID) : 8

14.4. Packing group

Packing group (ADR) : II

Packing group (IMDG) : II

Packing group (IATA) : II

Packing group (ADN) : II

Packing group (RID) : II

14.5. Environmental hazards

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Dangerous for the environment : Yes

Marine pollutant : Yes

Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport

Classification code (ADR) : C3

Special provisions (ADR) : 274

Limited quantities (ADR) : 11

Excepted quantities (ADR) : E2

Packing instructions (ADR) : P001, IBC02

Mixed packing provisions (ADR) : MP15

Portable tank and bulk container

instructions (ADR) : T11

Portable tank and bulk container special

provisions (ADR) : TP2, TP27

Tank code (ADR) : L4BN

Vehicle for tank carriage : AT

Transport category (ADR) : 2 Hazard identification number (Kemler No.) : 80

Orange plates :

Tunnel restriction code (ADR) : E

EAC code : 2X

APP code : B

- Transport by sea

Special provisions (IMDG) : 274

Packing instructions (IMDG) : P001

IBC packing instructions (IMDG) : IBC02

Tank instructions (IMDG) : T11

Tank special provisions (IMDG) : TP2, TP27

EmS-No. (Fire) : F-A

EmS-No. (Spillage) : S-B

Stowage category (IMDG) : B

Stowage and handling (IMDG) : SW2

Properties and observations (IMDG) : Causes burns to skin, eyes and mucous membranes.

- Air transport

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PCA Excepted quantities (IATA) : E2

PCA Limited quantities (IATA) : Y840

PCA limited quantity max net quantity

(IATA) : 0.5L

PCA packing instructions (IATA) : 851

PCA max net quantity (IATA) : 1L

CAO packing instructions (IATA) : 855

CAO max net quantity (IATA) : 30L

Special provisions (IATA) : A3, A803

ERG code (IATA) : 8L

- Inland waterway transport

Classification code (ADN) : C3

Special provisions (ADN) : 274

Limited quantities (ADN) : 1 L

Excepted quantities (ADN) : E2

Carriage permitted (ADN) : T

Equipment required (ADN) : PP, EP

Number of blue cones/lights (ADN) : 0

- Rail transport

Classification code (RID) : C3

Special provisions (RID) : 274

Limited quantities (RID) : 1L

Excepted quantities (RID) : E2

Packing instructions (RID) : P001, IBC02

Mixed packing provisions (RID) : MP15

Portable tank and bulk container

instructions (RID) : T11

Portable tank and bulk container special

provisions (RID) : TP2, TP27

Tank codes for RID tanks (RID) : L4BN

Transport category (RID) : 2

Colis express (express parcels) (RID) : CE6

Hazard identification number (RID) : 80

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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Not applicable

ADR - Packing instructions : P001

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 : ACETIC ACID,

UN N° : 2789

IMO-IMDG - Class or division : 8 : Corrosive substance. ( 3 : Flammable liquid. )

IMO-IMDG - Packing group : II

IMO- IMDG - Packing instructions : P001

IMO-IMDG - Limited quantities : 1 L

IMO-IMDG - Marine pollution : No

EMS-Nr : F-E S-C

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

Proper shipping name : ACETIC ACID

UN N° : 2789

IATA - Class or division : 8 : Corrosive substance. ( 3 : Flammable liquid. )

IATA - Packing group : II

IATA - Passenger and Cargo Aircraft : ALLOWED

- Passenger and Cargo - Packing : 851

instruction

- Passenger and Cargo - Maximum : 1 L

Quantity/Packing

IATA - Cargo only : ALLOWED

- Cargo only - Packing instruction : 855

- Cargo only - Maximum Quantity/ : 30 L

Packing

IATA - Limited Quantites : 0.5 L

ERG-Nr : 8F

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

Reference to AwSV : Water hazard class (WGK) 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

12th Ordinance Implementing the Federal

Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous

Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen ☐ Borstvoeding :

None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen ☐ Vruchtbaarheid :

None of the components are listed

NIET-limitatieve lijst van voor de

voortplanting giftige stoffen ☐ Ontwikkeling :

None of the components are listed

Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product

15.2. Chemical safety assessment

No additional information available

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

vPvB: very persistent and very bioaccumulative

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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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