

## 1. Product and Company Identification

www.rxmarine.com

Product Name RXSOL-60-6604-251  
Product Type CARBOL FUCHSIN DILUTE STAINING SOLUTION (Ziehl Neelsen)  
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 : CARBOL FUCHSIN DILUTE STAINING SOLUTION

Substance name Contents CAS No

Water >=99 % 7732-18-5

C.I. Basic Red 9 0.01-1 569-61-9

Phenol 0.01-1 108-95-2

Ethanol 0.01-1 64-17-5

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 according to Regulation (EC) No. 1272/2008

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

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

Flammable liquids, H226

Category 3

Acute toxicity (inhal.), H332

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Category 4

Skin corrosion/irritation, H314

Category 1

Germ cell mutagenicity, H341

Category 2

Adverse physicochemical, human health and environmental effects

No additional information available

### 3.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to display Extra classification(s) to display

Symbol(s) : T : Very toxic

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

R36/38: Irritating to eyes and skin.

R:10. Flammable.

S Phrase(s) : S22: Do not breath dust.

S25: Avoid contact with eyes.

S36/37 : Wear suitable protective clothing and gloves.

Hazard pictograms :



Signal word : Danger

Hazard statements : H226 - Flammable liquid and vapour.

H314 - Causes severe skin burns and eye damage.

H332 - Harmful if inhaled.

H341 - Suspected of causing genetic defects.

Precautionary statements : P280 - Wear protective gloves, protective clothing, eye protection, face protection.

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 doctor.

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### 3.3. Other hazards

No additional information available.

## 4. First Aid Measures

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### 4.1. Description of first aid measures

First-aid measures after inhalation : Allow affected person to breathe fresh air. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing

First-aid measures after skin contact : Wash with plenty of water/ . Get immediate medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Do not induce vomiting.

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

Symptoms/effects : Causes severe skin burns and eye damage. Suspected of causing genetic defects.

Symptoms/effects after inhalation : Harmful if inhaled.

### 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 : Carbon dioxide. Dry powder. Foam. Water spray.

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

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

Fire hazard : Flammable liquid and vapour.

Explosion hazard : May form flammable/explosive vapour-air mixture.

### 5.3. Advice for firefighters

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

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## 6. Accidental Release Measures

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

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

General measures : No open flames. No smoking. Remove ignition sources. Use special care to avoid static electric charges.

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required.

Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Collect spillage. On land, sweep or shovel into suitable containers.

### 6.4. Reference to other sections

No additional information available

## 7. Handling and Storage

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### 7.1. Precautions for safe handling

Precautions for safe handling : Use personal protective equipment as required. Avoid contact with skin and eyes.

Do not breathe vapours. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge.

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

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Storage conditions : Keep container tightly closed. Keep in fireproof place.

Incompatible materials : Heat sources.

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 : [In case of inadequate ventilation] 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 : -114.1 °C

Freezing point : No data available

Boiling point : 78.5 °C

Flash point : 12.78 °C

Critical temperature : 243 °C

Auto-ignition temperature : 363 °C

Decomposition temperature : No data available

Flammability (solid, gas) : Flammable

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Vapour pressure : 2.61 kPa (at 20°C)

Relative vapour density at 20 °C : 1.59

Relative density : No data available

Density : 0.98 g/cm<sup>3</sup>

Solubility : Water: Easily soluble in cold water

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

Explosive limits : 0.033 - 0.19 vol %

## 9.2. Other information

No additional information available

## 10. Stability and reactivity

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### 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

Heat. Open flame. Sparks.

### 10.5. Incompatible materials

Oxidizing agent.

### 10.6. Hazardous decomposition products

No additional information available

## 11. Toxicological information

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### 11.1. Information on toxicological effects

Acute toxicity : Harmful if inhaled.

ATE CLP (gases) 4500 ppmv/4h

ATE CLP (vapours) 11 mg/l/4h

ATE CLP (dust,mist) 1.5 mg/l/4h

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 : Suspected of causing genetic defects.

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

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### 13.1. Waste treatment methods

No additional information available

## 14. Transport information

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

### 14.1. UN number

UN-No. (ADR) : 2924

UN-No. (IMDG) : 2924

UN-No. (IATA) : 2924

UN-No. (ADN) : 2924

UN-No. (RID) : 2924

### 14.2. UN proper shipping name

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

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

Proper Shipping Name (IATA) : Flammable liquid, corrosive, n.o.s.

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

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

Transport document description (ADR) : UN 2924 FLAMMABLE LIQUID,  
CORROSIVE, N.O.S., 3 (8), III, (D/E)

Transport document description (IMDG) : UN 2924 FLAMMABLE LIQUID,  
CORROSIVE, N.O.S., 3 (8), III

Transport document description (IATA) : UN 2924 Flammable liquid,  
corrosive, n.o.s., 3 (8), III

Transport document description (ADN) : UN 2924 FLAMMABLE LIQUID,  
CORROSIVE, N.O.S., 3 (8), III

Transport document description (RID) : UN 2924 FLAMMABLE LIQUID,  
CORROSIVE, N.O.S., 3 (8), III

### 14.3. Transport hazard class(es)

ADR- Transport hazard class(es) (ADR) : 3 (8)

Danger labels (ADR) : 3, 8

IMDG- Transport hazard class(es) (IMDG) : 3 (8)

Danger labels (IMDG) : 3, 8

IATA- Transport hazard class(es) (IATA) : 3 (8)

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Hazard labels (IATA) : 3, 8

ADN- Transport hazard class(es) (ADN) : 3 (8)

Danger labels (ADN) : 3, 8

RID- Transport hazard class(es) (RID) : 3 (8)

Danger labels (RID) : 3, 8

#### 14.4. Packing group

Packing group (ADR) : III

Packing group (IMDG) : III

Packing group (IATA) : III

Packing group (ADN) : III

Packing group (RID) : III

#### 14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No

supplementary information available

#### 14.6. Special precautions for user

Overland transport- Classification code (ADR) : FC

Special provisions (ADR) : 274

Limited quantities (ADR) : 5I

Excepted quantities (ADR) : E1

Packing instructions (ADR) : P001, IBC03, R001

Mixed packing provisions (ADR) : MP19

Portable tank and bulk container instructions (ADR) : T7

Portable tank and bulk container special

provisions (ADR) : TP1, TP28

Tank code (ADR) : L4BN

Vehicle for tank carriage : FL

Transport category (ADR) : 3

Special provisions for carriage ☒ Packages (ADR) : V12

Special provisions for carriage ☒ Operation (ADR) : S2

Hazard identification number (Kemler No.) : 38

Orange plates :

Tunnel restriction code (ADR) : D/E

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EAC code : 3WE

APP code : A(fl)

Transport by sea- Special provisions (IMDG) : 223, 274

Limited quantities (IMDG) : 5 L

Excepted quantities (IMDG) : E1

Packing instructions (IMDG) : P001 IBC

packing instructions (IMDG) : IBC03

Tank instructions (IMDG) : T7

Tank special provisions (IMDG) : TP1, TP28

EmS-No. (Fire) : F-E

EmS-No. (Spillage) : S-C

Stowage category (IMDG) : A

Stowage and handling (IMDG) : SW2

MFAG-No : 132

Air transport- PCA Excepted quantities (IATA) : E1

PCA Limited quantities (IATA) : Y342

PCA limited quantity max net quantity (IATA) : 1L

PCA packing instructions (IATA) : 354

PCA max net quantity (IATA) : 5L

CAO packing instructions (IATA) : 365

CAO max net quantity (IATA) : 60L

Special provisions (IATA) : A3

ERG code (IATA) : 3C

Inland waterway transport- Classification code (ADN) : FC

Special provisions (ADN) : 274

Limited quantities (ADN) : 5 L

Excepted quantities (ADN) : E1

Carriage permitted (ADN) : T

Equipment required (ADN) : PP, EP, EX, A

Ventilation (ADN) : VE01

Number of blue cones/lights (ADN) : 0

Rail transport- Classification code (RID) : FC

Special provisions (RID) : 274

Limited quantities (RID) : 5L

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Excepted quantities (RID) : E1

Packing instructions (RID) : P001, IBC03, R001

Mixed packing provisions (RID) : MP19

Portable tank and bulk container instructions (RID) : T7

Portable tank and bulk container special provisions (RID) : TP1, TP28

Tank codes for RID tanks (RID) : L4BN

Transport category (RID) : 3

Special provisions for carriage ☐ Packages (RID) : W12

Colis express (express parcels) (RID) : CE4

Hazard identification number (RID) : 38

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

Not applicable.

## 15. Regulatory information

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

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 : C.I. Basic Red 9, Phenol, Ethanol are listed

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

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NIET-limitatieve lijst van voor de

voortplanting giftige stoffen ☒ Borstvoeding : Ethanol is listed

NIET-limitatieve lijst van voor de

voortplanting giftige stoffen ☒ Vruchtbaarheid : Ethanol is listed

NIET-limitatieve lijst van voor de

voortplanting giftige stoffen ☒ Ontwikkeling : Ethanol is listed

Denmark

Class for fire hazard : Class I-1

Store unit : 1 liter

Classification remarks : F ; Emergency management guidelines for the storage of flammable liquids must be followed

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

Pregnant/breastfeeding women working with the product must not be in direct contact with the product

The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

15.2. Chemical safety assessment

No additional information available

## 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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