

## 1. Product and Company Identification

www.rxmarine.com

Product Name

RXSOL-60-6604-091

Product Type

BRILLIANT CRESYL BLUE SOLUTION (ALCOHOLIC)

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

Phone +91 22 27815541 / 42

Fax +91 22 2781 1318 ::AOH :0091 9821214367

Email [mail@rxmarine.com](mailto:mail@rxmarine.com)

## 2. Composition / Information on ingredients

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### 2.1. Substances

Not applicable

### 2.2. Mixtures

Substance name	Contents	CAS No
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Ethanol 99%	64-17-5	
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Brilliant Cresyl Blue 1%	81029-05-2	
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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, H225

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## Category 2

Full text of H statements : see section 16

### **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**

### **Hazard pictograms**



**Signal word :** Danger

**Hazard statements :** H225 - Highly flammable liquid and vapour.

**Precautionary statements :** P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### **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 : Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.

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First-aid measures after skin contact : Take off immediately all contaminated clothing.

Rinse skin with water/shower.

Immediately call a POISON CENTER/doctor.

First-aid measures after eye contact : Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

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

No additional information available

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

Treat symptomatically.

### **5. Fire-fighting Measures**

www.r

#### **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 : Heating may cause a fire or explosion.

#### **5.3. Advice for firefighters**

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

### **6. Accidental Release Measures**

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

General measures : 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 : Do not breathe vapours. Avoid contact with skin and eyes.

Keep away from sources

of ignition - No smoking. Provide good ventilation in process area to prevent formation of vapour.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when

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using this product.

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

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

## **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 face shield

Skin and body protection : Wear suitable protective clothing

Respiratory protection : [In case of inadequate ventilation] wear respiratory protection.

# **9. Physical and chemical properties**

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## **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

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**Boiling point** : 78 °C

**Flash point** : 15 °C

**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

**Density** : 0.808 g/cm<sup>3</sup>

**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

**Explosive limits** : No data available

## **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.

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### **10.3. Possibility of hazardous reactions**

No additional information available

### **10.4. Conditions to avoid**

Heat. Sparks. Open flame. Overheating.

### **10.5. Incompatible materials**

No additional information available

### **10.6. Hazardous decomposition products**

Thermal decomposition generates : Corrosive vapours.

## **11. Toxicological information**

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### **11.1. Information on toxicological effects**

Acute toxicity : Not classified

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

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**

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### **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**

Product/Packaging disposal

Recommendations : Dispose of contents/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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In accordance with ADR / RID / IMDG / IATA / ADN

### **14.1. UN number**

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UN-No. (ADR) : 1170

UN-No. (IMDG) : 1170

UN-No. (IATA) : 1170

UN-No. (ADN) : 1170

UN-No. (RID) : 1170

#### **14.2. UN proper shipping name**

Proper Shipping Name (ADR) : ETHANOL (ETHYL ALCOHOL) / ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Proper Shipping Name (IMDG) : ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Proper Shipping Name (IATA) : Ethanol solution Proper Shipping Name

(ADN) : ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) Proper Shipping Name

(RID) : ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) Transport document description

(ADR) : UN 1170 ETHANOL (ETHYL ALCOHOL) / ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II,

(D/E) Transport document description (IMDG) : UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II

Transport document description (IATA) : UN 1170 Ethanol solution, 3, II

Transport document description (ADN) : UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II

Transport document description (RID) : UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II

#### **14.3. Transport hazard class(es)**

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

Danger labels (ADR) : 3

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

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Danger labels (IMDG) : 3

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

Hazard labels (IATA) : 3

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

Danger labels (ADN) : 3

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

Danger labels (RID) : 3

#### **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**

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) : F1

Special provisions (ADR) : 144, 601

Limited quantities (ADR) : 11

Excepted quantities (ADR) : E2

Packing instructions (ADR) : P001, IBC02, R001

Mixed packing provisions (ADR) : MP19

Portable tank and bulk container instructions (ADR) : T4

Portable tank and bulk container special provisions (ADR) : TP1

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Tank code (ADR) : LGBF Vehicle for tank carriage : FL

Transport category (ADR) : 2

Special provisions for carriage -

Operation (ADR) : S2, S20

Hazard identification number

(Kemler No.) : 33

Orange plates : Tunnel restriction

code (ADR) : D/E

EAC code : 2YE

### **Transport by sea-**

Special provisions (IMDG) : 144

Limited quantities (IMDG) : 1 L

Excepted quantities (IMDG) : E2

Packing instructions (IMDG) : P001 IBC

packing instructions (IMDG) : IBC02

Tank instructions (IMDG) : T4

Tank special provisions (IMDG) : TP1

EmS-No. (Fire) : F-E

EmS-No. (Spillage) : S-D

Stowage category (IMDG) : A

Properties and observations (IMDG) : Colourless, volatile liquids.

Pure ETHANOL: flashpoint 13°C c.c.

Explosive limits: 3.3% to 19%

Miscible with water. MFAG-No : 127

### **Air transport-**

PCA Excepted quantities (IATA) : E2

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PCA Limited quantities (IATA) : Y341

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

PCA packing instructions (IATA) : 353

PCA max net quantity (IATA) : 5L

CAO packing instructions (IATA) : 364

CAO max net quantity (IATA) : 60L

Special provisions (IATA) : A3, A58, A180

ERG code (IATA) : 3L

**Inland waterway transport-**

Classification code (ADN) : F1

Special provisions (ADN) : 144, 601

Limited quantities (ADN) : 1 L

Excepted quantities (ADN) : E2

Carriage permitted (ADN) : T

Equipment required (ADN) : PP, EX, A

Ventilation (ADN) : VE01

Number of blue cones/lights (ADN) : 1

**Rail transport-**

Classification code (RID) : F1

Special provisions (RID) : 144, 601

Limited quantities (RID) : 1L

Excepted quantities (RID) : E2

Packing instructions (RID) : P001, IBC02, R001

Mixed packing provisions (RID) : MP19

Portable tank and bulk container

instructions (RID) : T4

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Portable tank and bulk container special

provisions (RID) : TP1

Tank codes for RID tanks (RID) : LGBF

Transport category (RID) : 2

Colis express (express parcels) (RID) : CE7

Hazard identification number (RID) : 33

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

Not applicable

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

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- 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 Quantities : 0.5 L

ERG-Nr : 8F

## 15. Regulatory information

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### 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

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 : Ethanol is listed

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

NIET-limitatieve lijst van voor de

voortplanting giftige stoffen ☐ Borstvoeding : Ethanol is listed


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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

### **15.2. Chemical safety assessment**

No additional information available

## **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

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