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## MATERIAL SAFETY DATA SHEET (MSDS)

### BRILLIANT CRESYL BLUE SOLUTION (ALCOHOLIC)

#### 1. Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Trade name : BRILLIANT CRESYL BLUE SOLUTION (ALCOHOLIC)

Product code : SI0312300500  
Cas No:81029-05-2

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use : Industrial. For professional use only.

##### 1.3. Details of the supplier of the safety data sheet

Company identification : SUVCHEM  
Chaitanya Tower, 2nd Floor, Office # 206,  
Siddharth Nagar, S.V. Road,  
Goregaon (West), Mumbai - 400062,  
Maharashtra, India.  
Contact: +91 22 28725393 / 94 / 95  
Email ID: info@suvchem.com/care@suvchem.com

##### 1.4. Emergency telephone number

Phone no. : + 91 22 28725393 / 94 / 95 (9:00am - 6:00 pm) [ Office hours ]

#### 2. Hazards identification -DSD

##### 2.1. Classification of the substance or mixture

##### Classification EC 67/548 or EC 1999/45

Classification : C; R35

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

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

##### 2.2. Label elements

##### Labelling EC 67/548 or EC 1999/45

Symbol(s)



Symbol(s) : C : Corrosive

## MATERIAL SAFETY DATA SHEET (MSDS)

### BRILLIANT CRESYL BLUE SOLUTION (ALCOHOLIC)

#### 2. Hazards identification -DSD (continued)

<b>R Phrase(s)</b>	: R35 : Causes severe burns.
<b>S Phrase(s)</b>	: S24 : Avoid contact with skin. S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 : After contact with skin, wash immediately with S35 : This material and its container must be disposed of in a safe way. S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection. S45 : In case of accident or if you feel unwell, seek medical advice immediately ( show the label when possible). S59 : Refer to manufacturer/supplier for information on recovery/recycling.
<b>Contains</b>	: Ethanol - BRILLIANT CRESYL BLUE C.I.No.51010

#### Labelling Regulation EC 1272/2008 (CLP)

#### Hazard pictograms



<b>Signal words</b>	: Danger
<b>Hazard statements</b>	: H314 : Causes severe skin burns and eye damage.
<b>Precautionary statements</b>	
• <b>Prevention</b>	: P280: Wear protective gloves, protective clothing, eye protection, face protection. P260: Do not breathe dust, fume, gas, mist, vapours, spray. P264: Wash thoroughly after handling.
• <b>Response</b>	: 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. Rinse skin with water/shower. P363: Wash contaminated clothing before reuse.
• <b>Storage</b>	: P405: Store locked up.
• <b>Disposal considerations</b>	: 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.
<b>Contains</b>	: Ethanol - BRILLIANT CRESYL BLUE C.I.No.51010

#### 2.3. Other hazards

<b>Other hazards</b>	: The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.
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## MATERIAL SAFETY DATA SHEET (MSDS)

### BRILLIANT CRESYL BLUE SOLUTION (ALCOHOLIC)

#### 3. Composition/information on ingredients

<b>Substance / Preparation</b>	: Preparation.					
<b>Hazardous component(s)</b>	: This product is hazardous.					
<b>Substance name</b>	<b>Contents</b>	<b>CAS No</b>	<b>EC No</b>	<b>Annex No</b>	<b>REACH Ref.</b>	<b>Classification</b>
BRILLIANT CRESYL BLUE C.I.No. : 51010	> 1 < 5 %	81029-05-2	----	----	----	Xi; R36/37/38 ----- Eye irrit. 2_ H319 Skin Irrit. 2_ H315 STOT SE 3_ H335
Ethanol	: > 99 %	64-17-5	200-578-6	603-002-00-5	----	R10 C; R35 ----- Skin Corr. 1A_ H314 Flam. Liq. 3_ H226

#### 4. First aid measures

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

<b>Inhalation</b>	: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor.
<b>Skin contact</b>	: Immediately call a POISON CENTER or doctor. Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing.
<b>Eye contact</b>	: 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.
<b>Ingestion</b>	: Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor.

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

**Symptoms relating to use** : 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

##### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
<b>Unsuitable extinguishing media</b>	: Do not use a heavy water stream.
<b>Surrounding fires</b>	: 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.

## MATERIAL SAFETY DATA SHEET (MSDS)

### BRILLIANT CRESYL BLUE SOLUTION (ALCOHOLIC)

#### 5. Fire-fighting measures (continued)

**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

#### 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.

#### 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. Store away from other materials. Collect spillage.

#### 6.4. Reference to other sections

See section 8. Exposure controls/personal protection

#### 7. Handling and storage

#### 7.1. Precautions for safe handling

**Handling** : Handle empty containers with care because residual vapours are flammable. 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. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof electrical, ventilating, lighting, ..., equipment.

## MATERIAL SAFETY DATA SHEET (MSDS)

### BRILLIANT CRESYL BLUE SOLUTION (ALCOHOLIC)

#### 7. Handling and storage (continued)

**Special precautions** : No naked lights. No smoking.

#### 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 regulation** : Comply with applicable regulations.

**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/personal protection

##### 8.1. Exposure controls

**Personal protection**



**Personal protection** : Avoid all unnecessary exposure.

- **Respiratory protection** : Wear approved mask.
- **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

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

**Physical state at 20 °C** : Liquid.

**Colour** : Colorless

**Odour** : Characteristic.

**Odour threshold** : No data available.

**MATERIAL SAFETY DATA SHEET (MSDS)**
**BRILLIANT CRESYL BLUE SOLUTION (ALCOHOLIC)**
**9. Physical and chemical properties (continued)**

pH value	: No data available.
Melting point [°C]	: No data available.
Decomposition point [°C]	: N/A
Critical temperature [°C]	: No data available.
Auto-ignition temperature [°C]	: No data available.
Flammability (solid, gas)	: N/A Highly flammable liquid and vapour.
Flash point [°C]	: No data available.
Boiling point [°C]	: 78 °C
Initial boiling point [°C]	: No data available.
Final boiling point [°C]	: No data available.
Evaporation rate	: N/A
Vapour pressure [20°C]	: No data available.
Vapour pressure mm/Hg	: N/A
Vapour density	: N/A
Density [g/cm <sup>3</sup> ]	: 0,808
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: N/A
Solubility in water	: No data available.
Log Pow octanol / water at 20°C	: No data available.
Solubility	: N/A
Viscosity at 40°C [mm <sup>2</sup> /s]	: No data available.

**9.2. Other information**

Explosive properties	: N/A
Explosion limits - upper [%]	: No data available.
Explosion limits - lower [%]	: No data available.
Oxidising properties	: No data available.

**10. Stability and reactivity**
**10.1. Reactivity**

Reactivity	: Not established.
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**10.2. Chemical stability**

Chemical stability	: Stable under recommended storage conditions.
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## MATERIAL SAFETY DATA SHEET (MSDS)

### BRILLIANT CRESYL BLUE SOLUTION (ALCOHOLIC)

#### 10. Stability and reactivity (continued)

##### 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.

##### 10.6. Hazardous decomposition products

**Hazardous decomposition products** : Fumes. Carbon monoxide. Carbon dioxide.  
 May release flammable gases.  
 Thermal decomposition generates : Corrosive vapours.

#### 11. Toxicological information

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

##### 12.1. Toxicity.

## MATERIAL SAFETY DATA SHEET (MSDS)

### BRILLIANT CRESYL BLUE SOLUTION (ALCOHOLIC)

#### 12. Ecological information (continued)

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

##### 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.

##### 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

##### 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.

#### 14. Transport information

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

**Proper shipping name** : ETHANOL (ETHYL ALCOHOL)

**UN N°** : 1170

**H.I. nr** : 33

**ADR - Class** : 3

**Labelling - Transport** : 3 : Flammable liquid.

### MATERIAL SAFETY DATA SHEET (MSDS)

## BRILLIANT CRESYL BLUE SOLUTION (ALCOHOLIC)

#### 14. Transport information (continued)



ADR - Classification code : F1  
 ADR - 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 : ETHANOL (ETHYL ALCOHOL)  
 UN N° : 1170  
 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 : No  
 EMS-Nr : F-E S-D

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

Proper shipping name : ETHANOL (ETHYL ALCOHOL)  
 UN N° : 1170  
 IATA - Class or division : 3 : Flammable liquid.  
 IATA - Packing group : II  
 IATA - Passenger and Cargo Aircraft : ALLOWED  
 - Passenger and Cargo - Packing instruction : 353  
 - Passenger and Cargo - Maximum Quantity/Packing : 5 L  
 IATA - Cargo only : ALLOWED  
 - Cargo only - Packing instruction : 364  
 - Cargo only - Maximum Quantity/Packing : 60 L

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**MATERIAL SAFETY DATA SHEET (MSDS)**  
**BRILLIANT CRESYL BLUE SOLUTION (ALCOHOLIC)**

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

**DISCLAIMER:**

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
- **SUVCHEM** shall not be responsible for any damage resulting from handling or from contact with the above product.
- **SUVCHEM** provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

**End of document**