

CHAITANYA CHS, 2<sup>nd</sup> FLOOR, OFFICE # 206, SIDDHARTH NAGAR, S.V.ROAD, GOREGAON (W), MUMBAI 400062, MH, INDIA.  
 CONTACT: +9122 28725393 /94/ 95 | EMAILID: CARE@SUVCHEM.COM

## MATERIAL SAFETY DATA SHEET (MSDS)

### METHYLENE BLUE SOLUTION 0.5% (FOR MICROSCOPY)

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

##### 1.1. Product identifier

Trade name : METHYLENE BLUE SOLUTION 0.5% (FOR MICROSCOPY)

Product code : SI0307905000  
 CAS No: N/A

##### 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

Not classified.

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

Not classified.

##### 2.2. Label elements

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

Not classified.

Symbol(s) : None.  
 R Phrase(s) : None.  
 S Phrase(s) : None.  
 Contains : Water - METHYLENE BLUE

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

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

Not classified.

**Contains** : Water - METHYLENE BLUE

##### 2.3. 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.

#### 3. Composition/information on ingredients

**Substance / Preparation** : Preparation.

**Hazardous component(s)** : This product is not hazardous but contains hazardous components.

| Substance name | Contents       | CAS No    | EC No     | Annex No | REACH Ref. | Classification                                   |
|----------------|----------------|-----------|-----------|----------|------------|--|
| METHYLENE BLUE | : > 0.01 < 1 % | 61-73-4   | ----      | ----     | ----       | Xn; R22<br>Acute Tox. 4 (oral) _ H302            |
| Water          | : > 99 %       | 7732-18-5 | 231-791-2 | ----     | ----       | Not classified (DSD/DPD)<br>Not classified (GHS) |

#### 4. First aid measures

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

**Inhalation** : Assure fresh air breathing. Allow the victim to rest.

**Skin contact** : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

**Eye contact** : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

**Ingestion** : Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth.

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

**Symptoms relating to use** : Not expected to present a significant hazard under anticipated conditions of normal use.

##### 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).

**MATERIAL SAFETY DATA SHEET (MSDS)**
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**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**

|                                      |   |
|--------------------------------------|---|
| <b>Hazardous combustion products</b> | : Under fire conditions, hazardous fumes will be present. |
|--------------------------------------|---|

**5.3. Advice for fire-fighters**

|                                |  |
|--------------------------------|--|
| <b>Protection against fire</b> | : Do not enter fire area without proper protective equipment, including respiratory protection.              |
| <b>Special procedures</b>      | : 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**

|                                    |   |
|------------------------------------|---|
| <b>For emergency responders</b>    | : Equip cleanup crew with proper protection.<br>Ventilate area. |
| <b>For non-emergency personnel</b> | : Evacuate unnecessary personnel.                               |

**6.2. Environmental precautions**

|                                  |  |
|----------------------------------|--|
| <b>Environmental precautions</b> | : 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**

|                         |  |
|-------------------------|--|
| <b>Clean up methods</b> | : 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**

**MATERIAL SAFETY DATA SHEET (MSDS)**
**METHYLENE BLUE SOLUTION 0.5% (FOR MICROSCOPY)**
**7. Handling and storage (continued)**

- Handling** : Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.
- 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 - 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/personal protection**
**8.1. Exposure controls**

- Personal protection** : Avoid all unnecessary exposure.
- **Respiratory protection** : Wear approved mask.
  - **Hand protection** : Wear protective gloves.
  - **Eye protection** : Chemical goggles or safety glasses.
  - **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**

- Odour threshold** : No data available.
- Melting point [°C]** : No data available.
- Decomposition point [°C]** : No data available.
- Flammability (solid, gas)** : No data available.
- Evaporation rate** : No data available.
- Vapour density** : No data available.
- Density [g/cm<sup>3</sup>]** : No data available.
- Relative density, liquid (water=1)** : No data available.
- Log Pow octanol / water at 20°C** : No data available.

**MATERIAL SAFETY DATA SHEET (MSDS)**
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**9. Physical and chemical properties (continued)**
**9.2. Other information**

Explosive properties : No data available.  
 Oxidising properties : No data available.

**10. Stability and reactivity**
**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.

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

**MATERIAL SAFETY DATA SHEET (MSDS)**
**METHYLENE BLUE SOLUTION 0.5% (FOR MICROSCOPY)**
**11. Toxicological information (continued)**

|                               |   |
|-------------------------------|---|
| <b>Irritation</b>             | : Based on available data, the classification criteria are not met. |
| <b>Sensitization</b>          | : Based on available data, the classification criteria are not met. |
| <b>Carcinogenicity</b>        | : Based on available data, the classification criteria are not met. |
| <b>Toxic for reproduction</b> | : Based on available data, the classification criteria are not met. |
| <b>STOT-single exposure</b>   | : Based on available data, the classification criteria are not met. |
| <b>STOT-repeated exposure</b> | : Based on available data, the classification criteria are not met. |
| <b>Aspiration hazard</b>      | : Based on available data, the classification criteria are not met. |

**12. Ecological information**
**12.1. Toxicity**

|                             |  |
|-----------------------------|--|
| <b>Toxicity information</b> | : The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations. |
|-----------------------------|--|

**12.2. Persistence - degradability**

|                                    |                  |
|------------------------------------|------------------|
| <b>Persistence - degradability</b> | : Biodegradable. |
|------------------------------------|------------------|

**12.3. Bioaccumulative potential**

|                                  |                    |
|----------------------------------|--------------------|
| <b>Bioaccumulative potential</b> | : Not established. |
|----------------------------------|--------------------|

**12.4. Mobility in soil**

|                         |                    |
|-------------------------|--------------------|
| <b>Mobility in soil</b> | : Not established. |
|-------------------------|--------------------|

**12.5. Results of PBT and vPvB assessment**

|   |   |
|---|---|
| <b>Results of PBT and vPvB assessment</b> | : 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**

|                                  |                                     |
|----------------------------------|-------------------------------------|
| <b>Environmental precautions</b> | : Avoid release to the environment. |
|----------------------------------|-------------------------------------|

**13. Disposal considerations**
**13.1. Waste treatment methods**

|                |   |
|----------------|---|
| <b>General</b> | : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations. |
|----------------|---|

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**14. Transport information**
**14.1. Land transport (ADR-RID)**

General information : Unregulated.

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

General information : Unregulated.

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

General information : Unregulated.

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

Safety, health and environmental regulations/legislation specific for the substance or mixture : Ensure all national/local regulations are observed.

REACH Restrictions - Annex XVII : The components of this product are not subject to restrictions.

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**

Revision : Revision - See : \*

 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

List of relevant R phrases (heading 3) : R22 : Harmful if swallowed.

List of full text of H-statements in section 3 : H302 : Harmful if swallowed.

Further information : None.

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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**