

Camlab Limited – Material Safety Data Sheet


1. Identification

Product Code CC/1241-AO

Product Name **METHYLENE BLUE (C.I. 52015)**

Molecular Formula **C₁₆H₁₈ClN₃S =319.85**

CAS Number **Mixture**

Supplier: **CAMLAB LIMITED**

**Norman Way Industrial Estate
Over
Cambridge
England
CB4 5WE**

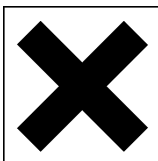
Phone **01954 233110**
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24hr 112
(Have this document to hand)

2. Composition

| Component | CAS No | EEC No | Conc w/w | Classification & Risk Phrases | Exp (See 8.1) |
|----------------|---------|-----------|----------|-------------------------------|---------------|
| Methylene Blue | Mixture | 200-515-2 | 100.0% | Xn : R22 | N/A |

3. Hazards Identification



Harmful if swallowed.

4. First Aid Measures

Eyes Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. If discomfort persists OBTAIN MEDICAL ATTENTION.

Skin Wash off skin thoroughly with water. Remove contaminated clothing immediately and wash before re-use.

Inhalation Remove from exposure.

Ingestion Wash out the patients mouth thoroughly with water. In severe cases or if exposure has been great, OBTAIN MEDICAL ATTENTION.

5. Fire Fighting Measures

Hazards Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear protective clothing and breathing apparatus. Combustible and may emit acrid fumes if involved in a fire.

Extinguishing Media Water spray, alcohol resistant foam, dry powder or carbon dioxide.

Unsuitable Media Nothing specified.

6. Accidental Release Measures

Personal Protection Avoid breathing dust.

6. Accidental Release Measures (continued)

| | |
|----------------|--|
| Environmental | Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs. |
| Major Spillage | Vacuum up into container for removal. Carefully remove material from vacuum cleaner and transfer to sealable container for disposal. Carry out this operation under fume extraction. Wash area down with copious amounts of water. |
| Minor Spillage | Vacuum up into container for removal. Carefully remove material from vacuum cleaner and transfer to sealable container for disposal. Carry out this operation under fume extraction. Wash area down with copious amounts of water. |

7. Storage & Handling

| | |
|----------------------|---|
| Handling Precautions | Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing. Ensure Local Exhaust Ventilation maintains dust concentrations to a minimum. |
| Storage Conditions | Well ventilated, cool, dry storage . |

8.1 Workplace Exposure Limits

No prescribed exposure limits available

8.2 Personal Protection

| | |
|-------------|--|
| Respiratory | If process creates significant amounts of dust use L.E.V. or wear suitable dust mask. |
| Hands | Wear gloves. |
| Eyes | Use chemical splash proof glasses or goggles. |
| Skin | Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn. |

9. Physical & Chemical Properties

| | |
|-----------------------|------------------------------|
| Appearance | Dark blue/purple powder. |
| Odour | No specific odour. |
| pH | Not available |
| Boiling point | Not available |
| Melting point | 180.0 °C |
| Flash point | Not available |
| Upper Flammable Limit | Not available |
| Lower Flammable Limit | Not available |
| Auto Ignition | Not available |
| Explosive properties | No. |
| Oxidising Properties | No. |
| Vapour Pressure | Not available |
| Relative Density | Not available |
| Water Solubility | Moderately soluble in water. |

10. Stability & Reactivity

| | |
|----------------------------------|--|
| Chemical Stability | Stable under normal conditions |
| Conditions to Avoid | No specific conditions. |
| Materials to Avoid | Strong oxidising agents. |
| Hazardous Decomposition Products | May produce hazardous fumes if involved in a fire. |

11. Toxicological Information

| | |
|------|---|
| Eyes | Contact with the solid or dust may be irritating to the eyes. |
| Skin | Stains skin. |

11. Toxicological Information (continued)

| | |
|----------------------|--|
| LD50 Skin | Not available |
| Ingest | Low order of acute toxicity. |
| LD50 Ingest | Not available |
| Inhalation | Presents no significant health hazard by inhalation. |
| Carcinogenicity | Not considered to be a carcinogen. |
| Mutagenicity | Not considered to be a mutagen. |
| Reproductive Effects | None identified. |
| Other Information | Used as a fungicide and parasiticide in fish. |

12. Ecological

Toxicity to fish : LC50 (various species) 0.0305-0.383 mg/l.

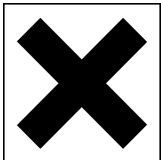
13. Disposal Considerations

| | |
|------------------------|--|
| Disposal Methods | Do not dispose of as domestic waste. |
| Contaminated Packaging | Wash out containers with water. Use a licensed waste disposer. |

14. Transport Information

| | |
|----------------------|----------------|
| Proper Shipping Name | Non-restricted |
| UN Number | Non-restricted |
| UN Classification | None |
| Subsidiary Risk | None |
| Flash Point | Not available |
| Packing Group | None |
| Transport Category | None |
| Marine pollutant | No |
| ADR Hazard ID | Non-restricted |

15. Regulatory Information

| | |
|-----------------------|--|
| Labelling | Harmful. |
| Classification | |
| Label Symbols | Xn  |
| Risk & safety Phrases | Harmful if swallowed. |
| EEC Number | 200-515-2 |

16. Other Information

| | |
|----------------------|---|
| Document Information | This document has been prepared in accordance with directive 88/379/EEC. The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. Revision Date: 30/08/00. Data reviewed and PDF file generated: 19/07/07. Copyright 2007 Camlab Limited. |
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