

Section 1. Identification**1.1 Product Identifier** TO6298

Product Name TOLUIDINE BLUE O (C.I. 52040) 5g.

CAS Number 92-31-9

REACH Registration No A registration number is not available as the substance or its uses are exempt, the annual tonnage does not require a registration or the registration is envisaged for a later date.

1.2 Relevant identified uses of the substance or mixture & uses advised against

Uses of Material Chemical for industrial and laboratory use. Not suitable for domestic use.

1.3 Supplier WF Education GroupPhoenix House
Battlefield Enterprise Park
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Shrewsbury
Shropshire
SY1 3FE
UNITED KINGDOM

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1.4 Emergency Telephone (08:30-17:00) +44(0)1743 812200
(24hr) 112
(Have this document to hand)**Section 2. Hazards Identification****2.1 Classification of the substance or mixture****Classification according to regulation 1272/2008/EC**

Not classified as hazardous.

2.2 Label elements**Labelling according to regulation 1272/2008/EC**

Not classified as hazardous.

Section 3. Composition**3.1 Substances**

Not classified as hazardous.

Section 4. First Aid**4.1 Description of first aid measures**

Eyes Flush with water for at least 15 minutes and contact physician.

| | |
|--------------------------------------|---|
| Skin | Drench affected skin with running water for 10 minutes or longer if substance is still on skin. |
| Inhalation | Remove from exposure. |
| Ingestion | Wash out the patients mouth thoroughly with water. OBTAIN MEDICAL ATTENTION. |
| Personal protection for first aiders | Wear protective gloves / eye protection. |

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

No further relevant information available.

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

No further relevant information available.

Section 5. Fire Fighting

5.1 Extinguishing media

| | |
|---------------------|---|
| Extinguishing Media | Water spray. Carbon dioxide or dry chemical powder. |
| Unsuitable Media | Nothing specified. |

5.2 Special hazards arising from the substance or mixture

| | |
|---------|-----------------------------------|
| Hazards | Presents no specific fire danger. |
|---------|-----------------------------------|

5.3 Advice for firefighters

| | |
|-------------------------|--|
| Advice for firefighters | Fire-fighters should wear protective clothing and breathing apparatus. |
|-------------------------|--|

Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

| | |
|---------------------|---|
| Personal Protection | Refer to personal protection details. Do not create dust. |
|---------------------|---|

6.2 Environmental precautions

| | |
|---------------|---|
| Environmental | Do not discharge into drains or rivers. |
|---------------|---|

6.3 Methods and material for containment and cleaning up

| | |
|----------------|--|
| Major Spillage | Absorb into dry earth or sand. Transfer to a suitable container. |
| Minor Spillage | Absorb into dry earth or sand. Transfer to a suitable container. |

6.4 Reference to other sections

See section 8.2 for information on protective equipment and section 13 for information on disposal.

Section 7. Storage & Handling

7.1 Precautions for safe handling

Ensure there is sufficient ventilation of the area.
Must only be kept in original packaging.

7.2 Conditions for safe storage, including any incompatibilities

Well ventilated, cool, dry storage . Keep container tightly closed.

7.3 Specific end use(s)

See section 1.2.

Section 8. Workplace Exposure & Personal Protection

8.1 Control parameters

| Component | CAS No | Concentration | Workplace Exposure Limits | |
|------------------|---------|---------------|---------------------------|-------------------------|
| | | | Long Term (8hr TWA) | Short Term 15min period |
| Toluidine Blue O | 92-31-9 | <100% | - | - |

Exposure data source(s) No occupational exposure data currently available.

8.2 Exposure controls

| | |
|------------------------|---|
| Respiratory Protection | Wear a respiratory protective device with particle filter. Self-contained breathing apparatus must be available in case of emergency. |
| Hand Protection | Wear PVC gloves. |
| Eye Protection | Use tightly fitting chemical splash proof glasses or goggles. Ensure eye bath is to hand. |
| Skin Protection | Wear protective clothing with elasticated cuffs & closed neck. |
| Special Hazards | No special precautions required. |

Section 9. Physical & Chemical Properties

9.1 Information on basic physical and chemical properties

| | |
|-----------------------|----------------------------|
| Appearance | Dark green/brown powder. |
| Odour | Odourless. |
| pH | Not applicable |
| Boiling Point | Not available |
| Melting Point | 260°C |
| Flash Point | Not applicable |
| Upper Flammable Limit | Not applicable |
| Lower Flammable Limit | Not applicable |
| Auto Ignition | Not applicable |
| Explosive Properties | No. |
| Oxidising Properties | No. |
| Vapour Pressure | Not applicable |
| Relative Density | Not available |
| Water Solubility | Slightly soluble in water. |

9.2 Other information

No data available.

Section 10. Stability & Reactivity

| | |
|---|----------------------------------|
| 10.1 Reactivity | No data available. |
| 10.2 Chemical Stability | Stable under normal conditions |
| 10.3 Possibility of hazardous reactions | No data available. |
| 10.4 Conditions to Avoid | No specific conditions. |
| 10.5 Incompatible Materials | Strong oxidising agents. |
| 10.6 Hazardous Decomposition Products | In combustion emits toxic fumes. |

Section 11. Toxicological Information

11.1 Information on toxicological effects

| | |
|-----------------|--|
| Eyes | There may be irritation & redness. |
| Skin | There may be mild irritation at the site of contact. |
| LD50 Skin | Not available |
| Ingestion | May be harmful by ingestion. |
| LD50 Oral | Not available |
| Inhalation | Inhalation of dust may cause irritation to the throat & a feeling of tightness in the chest. |
| LD50 Inhalation | Not available |

| | |
|----------------------|------------------------------------|
| TCLo | Not available |
| Carcinogenicity | Not considered to be a carcinogen. |
| Mutagenicity | Not considered to be a mutagen. |
| Reproductive Effects | None identified. |

Section 12. Ecological

| | |
|--|--------------------------|
| 12.1 Toxicity | Not specified. |
| LC50 Algal | Not available |
| LC50 Crustacea | Not available |
| LC50 Fish | Not available |
| 12.2 Persistence and degradability | No data available. |
| 12.3 Bioaccumulative potential | No data available. |
| 12.4 Mobility in soil | No data available. |
| 12.5 Results of PBT & vPvB assessment | Assessment not required. |
| 12.6 Other adverse effects | None known at present. |

Section 13. Disposal Considerations

13.1 Waste treatment methods

| | |
|------------------------|---|
| Disposal Methods | Mix or dissolve with combustible material. Burn in a chemical incinerator equipped with afterburners and scrubbers. Arrange for collection by specialised disposal company. |
| Contaminated Packaging | Burn in a chemical incinerator equipped with afterburners and scrubbers. Arrange for collection by specialised disposal company. |

Section 14. Transport Information

| | |
|--|----------------------------------|
| 14.1 UN Number | Non-restricted |
| 14.2 Proper Shipping Name | Non-restricted |
| 14.3 Transport classes | |
| UN classification | None |
| Subsidiary hazard(s) | None |
| Transport category | None |
| ADR Hazard ID | Non-restricted |
| Tunnel Restriction Code | Non-restricted |
| 14.4 Packing Group | None |
| 14.5 Environment hazards | See section 12. |
| 14.6 Special precautions for user | No special precautions required. |
| 14.7 Transport in bulk | Not transported in bulk. |

Section 15. Regulatory Information

15.1 Safety, health and environment regulations specific for substance/mixture.

Not classified as hazardous under Classification, Labelling & Packaging of Substances & Mixtures Regulations (1272/2008/CE).

15.2 Chemical safety assessment

Assessment not required.

Section 16. Other Information

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

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