

## **MATERIAL SAFETY DATA SHEET**

### **MALACHITE GREEN** **MSDS CAS : 2537-29-8**

#### **Section 1: Chemical Product and Company Identification**

##### **Section 1: Chemical Product**

**Product Name :** Malachite Green

**CAS#:** 2537-29-8

**C.I. No.:** Not available.

**Synonym :** Not available.

**Chemical Name:** Not available.

**Chemical Formula:** Not available.

**Brand:** OXFORD

##### **Details Of The Supplier Of The Safety Data Sheet:**

**Company identification:**      **OXFORD LAB FINE CHEM LLP**  
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,  
Navghar, Vasai (East). Palghar - 401 210.  
Mumbai, Maharashtra, INDIA.  
Tel: 91-250-2390989  
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#### **Section 2: Composition and Information on Ingredients**

##### **Composition:**

| Name            | CAS #     | % by Weight |
|-----------------|-----------|-------------|
| Malachite Green | 2537-29-8 | 100         |

## Section 3: Hazards Identification

### Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1999/45

Classification : Xn; R22  
Xi; R41  
N; R50-53

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

Health hazards : Acute toxicity, Oral - Category 4 - Warning (CLP : Acute Tox. 4) H302  
Serious eye damage - Category 1 - Danger (CLP : Eye Dam. 1) H318

Environmental hazards : Hazardous to the aquatic environment - Acute hazard - Category 1 - Warning  
(CLP: Aquatic Acute 1) H400  
Hazardous to the aquatic environment - Chronic hazard - Category 1 - Warning  
(CLP : Aquatic Chronic 1) H410

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.

## Section 4: First Aid Measures

### 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.

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

Symptoms relating to use : Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation.

#### 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).

## Section 5: Fire and Explosion Data

### Extinguishing media

#### Extinguishing media

#### Suitable extinguishing media

: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

#### Unsuitable extinguishing media

: Do not use a heavy water stream.

#### Surrounding fires

: Use water spray or fog for cooling exposed containers.

#### Special hazards arising from the substance or mixture

#### Hazardous combustion products

: Under fire conditions, hazardous fumes will be present.

#### 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.

## Section 6: Accidental Release Measures

#### Personal precautions, protective equipment and emergency procedures

#### For emergency responders

: Equip cleanup crew with proper protection.  
Ventilate area.

#### For non-emergency personnel

: Evacuate unnecessary personnel.

#### Environmental precautions

#### Environmental precautions

: Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

#### Methods and materials for containment and cleaning up

#### Clean up methods

: On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

#### Reference to other sections

See section 8. Exposure controls/personal protection

## Section 7: Handling and Storage

### Precautions for safe handling

#### Handling

: Wash thoroughly after handling.

#### Technical protective measures

: Provide good ventilation in process area to prevent formation of vapour.

### Conditions for safe storage, including any incompatibilities

#### Storage

: Keep only in the original container in a cool, well ventilated place. Keep container tightly closed.

#### Storage - away from

: Strong bases. Strong acids. Sources of ignition. Direct sunlight.

#### Specific end uses

#### Specific end use(s)

: None.

## Section 8: Exposure Controls/Personal Protection

### Personal protection

- Respiratory protection
- Hand protection
- Eye protection
- Others

: Avoid all unnecessary exposure.

: Wear approved mask.

: Wear protective gloves.

: Chemical goggles or safety glasses.

: When using, do not eat, drink or smoke.

### Control parameters

#### Occupational Exposure Limits

: No data available.

## Section 9: Physical and Chemical Properties

### Information on basic physical and chemical properties

#### Physical state at 20 °C

: Solid

#### Colour

: Green crystalline powder

#### Odour

: Odorless

#### Odour threshold

: No data available.

#### pH value

: Not applicable.

#### Melting point [°C]

: 1640 °C

#### Decomposition point [°C]

: N/A

## Section 9: Physical and Chemical Properties(Continued)

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

### Other information

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

## Section 10: Stability and Reactivity Data

### Reactivity

Reactivity : Not established.

### Chemical stability

## Section 10: Stability and Reactivity Data (Continued)

**Chemical stability** : Stable under recommended storage conditions.

### Possibility of hazardous reactions

**Hazardous reactions** : Not established.

### Conditions to avoid

**Conditions to avoid** : Direct sunlight. Extremely high or low temperatures.

### Incompatible materials

**Materials to avoid** : Strong acids. Strong bases.

### Hazardous decomposition products

**Hazardous decomposition products** : Fumes. Carbon monoxide. Carbon dioxide.

## Section 11: Toxicological Information

### Information on toxicological effects

#### 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            | : Harmful if swallowed.   |
| Corrosion              | : Causes serious 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. |

## Section 12: Ecological Information

### Toxicity

**Toxicity information :** Very toxic to aquatic life with long lasting effects.

### Persistence – degradability

**Persistence - degradability :** May cause long-term adverse effects in the environment.

### Bioaccumulative potential

**Bioaccumulative potential :** Not established.

### Mobility in soil

**Mobility in soil :** Not established.

### 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.

### Other adverse effects

**Environmental precautions :** Avoid release to the environment.

## Section 13: Disposal Considerations

### Waste treatment methods

**General :** Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

## Section 14: Transport Information

### Land transport (ADR-RID)

|                       |                           |
|-----------------------|---------------------------|
| UN N°                 | : 2811                    |
| H.I. nr               | : 60                      |
| ADR – Class           | : 6.1                     |
| Labelling – Transport | : 6.1 : Toxic substances. |
| ADR - Group : III     |                           |

### Sea transport (IMDG) [English only]

|                              |                           |
|------------------------------|---------------------------|
| UN N°                        | : 2811                    |
| IMO-IMDG - Class or division | : 6.1 : Toxic substances. |
| IMO-IMDG - Packing group     | : III                     |

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

|                          |                           |
|--------------------------|---------------------------|
| UN N°                    | : 2811                    |
| IATA - Class or division | : 6.1 : Toxic substances. |
| IATA - Packing group     | : III                     |

## Section 15: Other Regulatory Information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

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

**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.

### Chemical Safety Assessment

**Chemical Safety Assessment :** It has not been carried out.



## Section 16 - Additional Information

**References:** Not available.

**Other Special Considerations:** Not available.

### ***Disclaimer:***

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