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MATERIAL SAFETY DATA SHEET (MSDS)

MALACHITE GREEN 1% AQUEOUS SOLUTION

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

Trade name : MALACHITE GREEN 1% AQUEOUS SOLUTION
 Product code : SI0314900250
 CAS No: 2437-29-8
 Use : Industrial. For professional use only.
 Company identification : SUVCHEM
 Chaitanya Tower, 2nd Floor, Office # 206,
 Siddharth Nagar, S.V. Road,
 Goregaon (West), Mumbai - 400062,
 Maharashtra, India.
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2. Hazards identification -DSD

Not classified.
 Not classified.
 Symbol(s) : None.
 R Phrase(s) : None.
 S Phrase(s) : None.
 Contains : Water - MALACHITE GREEN C.I.No.42000
 Contains : Water - MALACHITE GREEN C.I.No.42000
 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 hazardous.

Substance name	Contents	CAS No	EC No	Annex No	REACH Ref.	Classification
MALACHITE GREEN C.I.No.42000 :	> 1 < 5 %	2437-29-8	----	----	----	Xn; R63 Xn; R22 Xi; R41 N; R50-53 ----- Eye Dam 1 _ H318 Acute Tox. 4 (oral) _ H302 Aquatic Acute 1 _ H400 Aquatic Chronic 1 _ H410 ----- Not classified (DSD/DPD) ----- Not classified (GHS)
Water :	> 99 %	7732-18-5	231-791-2	----	----	

4. 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 cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists : Get medical advice.
 Ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
 Symptoms relating to use : Causes serious eye irritation.

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4. First aid measures (continued)

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

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.

Hazardous combustion products : Under fire conditions, hazardous fumes will be present.

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

For emergency responders : Equip cleanup crew with proper protection. Ventilate area.

For non-emergency personnel : Evacuate unnecessary personnel.

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

Clean up methods : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

See section 8. Exposure controls/personal protection

7. Handling and storage

Handling : Wash thoroughly after handling.

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

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.

Specific end use(s) : None.

8. Exposure controls/personal protection
8.1. Exposure controls

Personal protection



Personal protection : Avoid all unnecessary exposure.

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8. Exposure controls/personal protection (continued)

- 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.
- Occupational Exposure Limits : No data available.

9. 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/cm³] : No data available.
- Relative density, liquid (water=1) : No data available.
- Log Pow octanol / water at 20°C : No data available.
- Explosive properties : No data available.
- Oxidising properties : No data available.

10. Stability and reactivity

- Reactivity : Not established.
- Chemical stability : Stable under recommended storage conditions.
- Hazardous reactions : Not established.
- Conditions to avoid : Direct sunlight. Extremely high or low temperatures.
- Materials to avoid : Strong acids. Strong bases.
- Hazardous decomposition products : Fumes. Carbon monoxide. Carbon dioxide.

11. Toxicological information

- 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.
- Irritation : Causes serious eye irritation.
- Sensitization : Based on available data, the classification criteria are not met.
- Carcinogenicity : Based on available data, the classification criteria are not met.

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11. Toxicological information (continued)

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

Toxicity information	: The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.
Persistence - degradability	: Biodegradable.
Bioaccumulative potential	: Not established.
Mobility in soil	: Not established.
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.
Environmental precautions	: Avoid release to the environment.

13. Disposal considerations

General	: 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.
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14.2. Sea transport (IMDG) [English only]

General information	: Unregulated.
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14.3. Air transport (ICAO-IATA) [English only]

General information	: Unregulated.
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15. Regulatory information

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

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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.

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