

SOUTHERN GROUP LABORATORY LIMITED

SAFETY DATA SHEET

SECTION 1.	IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
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1.1 Product identifier

Product name Malachite Green Stain

SGL Product code 0314

This product is a mixture

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

Identified uses Reagent for laboratory analysis

Uses advised against No information on uses against available

1.3. Details of the supplier of the safety data sheet

Supplier Southern Group Laboratory,
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SECTION 2.	HAZARDS IDENTIFICATION
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2.1 Classification of the substance or mixture

Classification according to regulation (EC) No 1272/2008

Physical hazards

Based on available data, no classification met

Health hazards

Eye Irritation (category 2): H319

Environmental hazards

Hazardous to the Aquatic Environment, Chronic (category 3): H413

For the full text of the H-Statements mentioned see Section 16.

2.2. Label elements

Pictogram



Signal word

Warning

Hazard statements

H319: Causes serious eye irritation
H413: May cause long lasting harmful effects to aquatic life

Precautionary statements

P264: Wash hands thoroughly after handling.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/ face protection.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P501: Dispose of contents/container in accordance with national regulations.

2.3. Other hazards

None

SECTION 3.	COMPOSITION/INFORMATION ON INGREDIENTS
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3.1. Mixtures

Name	EC No.	CAS-No.	Concentration	Classification
Malachite Green Oxalate	219-441-7	2437-29-8	1% w/v	Reproductive toxicity, category 2: H361d Acute toxicity, category 4, oral: H302 Serious eye damage, category 1: H318 Hazardous to the aquatic environment, chronic, category 1: H410

Composition comments

The data shown are in accordance with Regulation (EC) No. 1272/2008.

SECTION 4.	FIRST-AID MEASURES
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4.1 Description of first aid measures

Inhalation Remove from exposure. In severe cases and/or if symptoms occur, obtain medical advice/attention.

Ingestion Wash out mouth thoroughly with water. Obtain medical attention.

Skin contact Wash off thoroughly with plenty of soap and water. Remove contaminated clothing immediately and wash before re-use. In severe cases and/or if symptoms occur, obtain medical advice/attention.

Eye Contact Remove contact lenses, if present and easy to do. Immediately irrigate thoroughly with water for at least 15 minutes. Obtain medical advice and/or attention.

Self Protection of the first aider Wear gloves (nitrile rubber recommended). Wash hands thoroughly after handling.

4.2 Most important symptoms and effects, both acute and delayed

None known

4.3. Indication of any immediate attention and special treatment needed

None known

Notes for doctor No specific recommendations

SECTION 5.	FIRE – FIGHTING MEASURES
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5.1. Extinguishing media

Suitable extinguishing media Water fog, foam, carbon dioxide (CO₂), dry powder

Unsuitable extinguishing media None known

Product is not combustible.

Prevent fire fighting media from entering watercourses or ground water.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products Toxic products may be liberated by fire.

5.3. Advice for firefighters

Protective actions during firefighting Wear self contained breathing apparatus (SCBA) and prevent skin contact.

SECTION 6.	ACCIDENTAL RELEASE MEASURES
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6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Must not be released into the environment

6.3. Methods and material for containment and cleaning up

Collect and seal material in a closed container. Wear personal protective clothing as recommended in Section 8. Cover drains to avoid releasing into environment. Dispose as recommended in Section 13.

6.4. Reference to other sections

Section 8 for protective measures
Section 13 for disposal considerations

SECTION 7.	HANDLING AND STORAGE
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7.1 Precautions for safe handling

Wear personal protective clothing. Avoid contact with skin, eyes and clothing. Change contaminated clothing. Wash hands after working with material.

7.2 Conditions for safe storage, including any incompatibilities

Store according to label requirements. Keep closed.

7.3 Specific end use(s)

Use in laboratories.

SECTION 8.	EXPOSURE CONTROLS/PERSONAL PROTECTION
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8.1 Control parameters

Component	CAS No	Long Term Exposure Limit (8 hr TWA Reference Period)	Short Term Exposure (15 Min Reference Period)	Basis	Comments
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

This mixture contains no components with known occupational exposure limits.

8.2 Exposure controls

Engineering measures

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Protective equipment



Eye/face protection

Safety spectacles with side protection.

Hand protection

Disposable nitrile rubber gloves complying with EC Directive 89/686/EEC and Standard EN374
 Glove thickness of 0.11mm
 See manufacturer's recommendations for break through times
 Material tested: Not applicable

Other skin and body protection Long sleeved clothing.

Hygiene measures

Wash hands immediately after use.

Respiratory protection

None needed during normal use.

SECTION 9.	PHYSICAL AND CHEMICAL PROPERTIES
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9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Dark green
Odour	No data available
Odour threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	
Lower explosion limit (VOL-%)	No data available
Upper explosion limit (VOL-%)	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Solubility(ies)	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available

9.2. Other information

None

SECTION 10.	STABILITY AND REACTIVITY
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10.1 Reactivity

No data available

10.2 Chemical stability

No data available

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

No data available

SECTION 11. TOXICOLOGICAL INFORMATION
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11.1 Information on toxicological effects

The acute toxicity data is based on the mixture.

Acute oral toxicity	Classification criteria are not met.
ATE_{mix}	>2000 mg/kg
Method	Calculation
Skin corrosion/irritation	No data available
Serious eye damage/irritation	Causes serious eye irritation
Respiratory or skin sensitisation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
STOT single exposure	No data available
STOT repeated exposure	No data available
Aspiration hazard	No data available

11.2 Additional information

No data available.

SECTION 12.	ECOLOGICAL INFORMATION
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12.1 Toxicity

Hazardous to the Aquatic Environment, Chronic (category 3): H413: May cause long lasting harmful effects to aquatic life.

12.2 Persistence and degradability

No information available

12.3 Bioaccumulative potential

No information available

12.4 Mobility in soil

No information available

12.5 Results of PBT and vPvB assessment

No information available

12.6 Other adverse effects

No information available

SECTION 13.	DISPOSAL CONSIDERATIONS
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13.1 Waste treatment methods

Dispose of in accordance with applicable local and national regulations

SECTION 14. TRANSPORT INFORMATION
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Not classified as dangerous according to transport regulations.

Land transport (ADR/RID) / Sea transport (IMDG) / Air transport (ICAO-TI/IATA-DGR)

- 14.1 UN number** Not applicable
- 14.2 UN proper shipping name** Not applicable
- 14.3 Transport hazard class(es)** Not applicable
- 14.4 Packing group** Not applicable
- 14.5 Environmental hazards** No data available
- 14.6 Special precautions for user** No data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable, packaged goods.

SECTION 15. REGULATORY INFORMATION

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

EU legislation 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 (as amended).

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16. OTHER INFORMATION

16.1 Relevant H- and EUH-phrases (number and full text)

H302: Harmful if swallowed
H318: Causes serious eye damage
H319: Causes serious eye irritation
H361d: Suspected of damaging the unborn child
H410: Very toxic to aquatic life with long lasting effects
H413: May cause long lasting harmful effects to aquatic life

16.2 Additional information

The above information is based on present knowledge, but does not purport to be inclusive and should only be used as a guide. Southern Group Laboratory shall not be held liable for any damage resulting from handling or from contact with the above product.

The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made up material.

16.3 Revision summary

Changes to this issue Updated to format compliant with Regulation (EC) No 1907/2006 (REACH), the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) and Regulation (EC) No 1272/2008 (CLP).

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END OF SAFETY DATA SHEET