Identification of the substances/ mixture and of the company/ undertaking

1.1 Product Identifiers

Product Number: S028
Product Name: Schaeffer & Fulton's Spore Stain A
REACH Registration Number: This product is a mixture. Reach registration number is not available for this mixture.

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

1.2.1 Relevant identified uses

Laboratory Chemicals, Analytical Purpose, Biochemical Analysis For InVitro Diagnostic Use

1.3 Details of the supplier of the safety data sheet

Produced by: HiMedia Laboratories Private Limited
Address: 23, Vadhani Industrial Estate, LBS Marg, Ghatkopar (W), Mumbai - 400 086 India
Tel. No.: +91-22-2500 0970, +91-22-2500 1607 Fax No.: +91-22-25002468
Mail Id: info@himedialabs.com
Website: www.himedialabs.com

1.4 Emergency Tel. No.

Emergency Tel. No.: Please contact the regional HiMedia representation in your country

2 Hazards Identification

2.1 Classification of the substance or mixture

CLP Classification-Regulation (EC) No. 1272/2008[EU-GHS/CLP]
Serious eye damage or eye irritation, (Category 1), H318
Reproductive toxicity, (Category 2), H361fd
Hazardous to the aquatic environment, long term hazard, (Category 2), H411

2.2 Label elements

Labeling according to Regulation (EC) No.1272/2008

Pictogram
Signal word: Danger

Hazard Statement(s)
H318 Causes serious eye damage
H361 Suspected of damaging fertility or the unborn child
H411 Toxic to aquatic life with long lasting effects

Precautionary Statement(s)
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 Other Hazards
None

3 Composition/Information On Ingredients

3.2 Mixture

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Malachite green</td>
<td>As Per EC Regulation 1272/2008 Acute Tox.oral 4; Eye Dam. 1; Lact.; Aquatic Chronic 1 H302; H318; H361; H410</td>
<td>&gt;=1.0 - &lt;=10.0%</td>
</tr>
</tbody>
</table>

Refer Section 16 for complete statement of H codes & classification.

4 First Aid Measures

4.1 Description of first aid measures

_General advice_
Consult a physician. Show this safety data sheet to the doctor in attendance.

_If inhaled_
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

_In case of skin contact_
Wash with plenty of soap and water. Consult a physician.

_In case of eye contact_
Rinse immediately with plenty of water for at least 15 minutes. Consult a physician.

_If swallowed_
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed
No data available.

4.3 Indication of immediate medical attention and special treatment needed
No data available.

5 Fire Fighting Measures

5.1 Extinguishing media

_Suitable extinguishing media_
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

_Unsuitable extinguishing media_
No data available.

5.2 Special hazards arising from the substance or mixture
Carbon oxides, nitrogen oxides

5.3 Precautions for fire-fighters
5.4 Further information
No data available

6 Accidental Release Measures
6.1 Personal precautions, protective equipment and emergency procedures
Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.
Evacuate personnel to safe areas.
6.2 Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
6.3 Methods and materials for containment and cleaning up
Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.
6.4 Reference to other sections
For disposal see Section 13.

7 Handling and Storage
7.1 Precautions for safe handling
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Normal measures for preventive fire protection.
7.2 Conditions for safe storage, including any incompatibilities
Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Recommended Storage Temperature: On receipt store between 10-30°C
7.3 Specific end uses
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8 Exposure Controls/Personal Protection
8.1 Control parameters
Components with workplace control parameters
8.2 Exposure controls
Appropriate engineering controls
Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the products.
Personal protective equipment
Hygiene measure
Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with the product.
Eye/face protection
Tightly fitting safety goggles; Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose contaminated gloves after use in accordance with applicable laws and good laboratory practices.
Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

**Body protection**
Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**
Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Environment exposure controls**
Do not empty into drains.

---

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Peacock green coloured clear solution</td>
</tr>
<tr>
<td>Odour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (Solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour density</td>
<td>No data available</td>
</tr>
<tr>
<td>Thermal decomposition</td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2 Other safety information

No data available

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10 Stability and Reactivity

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
    Strong oxidizing agents
10.6 Hazardous decomposition products
    Refer Section 5.2

11 Toxicological Information
11.1 Information on toxicological effects

    Acute toxicity
    No data available

    Skin corrosion/irritation
    No data available

    Serious eye damage/eye irritation
    No data available

    Respiratory or skin sensitisation
    No data available

    Carcinogenicity
    IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

    Reproductive toxicity
    No data available

    Specific target organ toxicity- single exposure
    No data available

    Aspiration hazard
    No data available

Potential Health Effects

    Inhalation
    REFER SECTION 2

    Skin
    REFER SECTION 2

    Eyes
    REFER SECTION 2

    Ingestion
    REFER SECTION 2

11.2 Components

    Malachite green oxalate
    Acute Oral toxicity
    Rat LD50: 275 mg/kg (As per RTECS)

    Skin irritation
    Rabbit result: Irritations

    Eye irritation
    Rabbit result: Severe Irritations (As Per RTECS)
Germ cell mutagenicity: Genotoxicity in vitro
Ames test
Salmonella Typhimurium
Result: Negative (As per National Toxicology Programme)
Additional information:
RTECS BQ1190000

12 Ecological Information
12.1 Toxicity
No data available
Components:
Malachite green oxalate
Toxicity to fish
Ictalurus catus (catfish) LC50: 14mg/l; 96 h
Toxicity to Daphnia and other aquatic invertebrates
Daphnia magna (water flea) EC50: 29mg/l; 48 h
Toxicity to Bacteria
Sewage sludge EC50: 10-100 mg/l
(As per OECD test guideline 209)

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 PBT and vPvB assessment
This preparation contains no substance considered to be persistent, bioaccumulating or toxic (PBT) at levels of 0.1% or higher.
12.6 Other adverse effects
Discharge into the environment must be avoided.

13 Disposal Considerations
13.1 Waste treatments methods
Product
Offer surplus and non-recyclable solutions to a licenced disposal company. Contact a licenced professional waste disposal service to dispose off this material.
13.2 Contaminated packaging
Dispose of as unused product.

14 Transport Information
14.1 UN-No
ADNR : 2810 ADR : 2810 IATA_C : 2810 IATA_P : 2810 IMDG : 2810 RID : 2810
14.2 UN proper shipping name
14.3 Transport hazard class(es)

14.4 Packaging group

14.5 Environmental hazards
ADNR : NO  ADR : NO  IMDG : Marine pollutant: NO  IATA_C : NO  IATA_P : NO  RID : NO

14.6 Special precautions for use
No data available

15 Regulatory Information
This safety datasheet complies with the requirements of Regulation(EC) No. 1907/2006.

15.1 Safety health and environment regulations/legislation specific for the substance or mixture
No data available

15.2 Chemical Safety Assessment
No data available

16 Other information
Text of H codes and classification mentioned in section 3
H302  Harmful if swallowed
H318  Causes serious eye damage
H361  Suspected of damaging fertility or the unborn child
H410  Very toxic to aquatic life with long lasting effects
Acute Tox. oral 4  Acute toxicity, oral, Category 4
Aquatic Chronic 1  Hazardous to the aquatic environment, long term hazard, Category 1
Eye Dam. 1  Serious eye damage or eye irritation, Category 1
Lact.  Reproductive toxicity, effects on or via lactation, Additional category

Further Information
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