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

1.1 Product Identifiers
- Product Number: S018
- Product Name: Leishman’s Stain (Twin Pack)
- 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
- 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]
  - Flammable liquids, (Category 2), H225
  - Acute toxicity, Oral, (Category 3), H301
  - Toxic in contact with skin or if inhaled, H311+H331
  - Specific target organ toxicity, single exposure, (Category 1), H370

2.2 Label elements
- Labeling according to Regulation (EC) No.1272/2008

Pictogram
- Signal word: Danger

Hazard Statement(s)
- H225: Highly flammable liquid and vapour
- H301: Toxic if swallowed
- H311: Toxic in contact with skin
- H331: Toxic if inhaled
- H370: Causes damage to organs

Precautionary Statement(s)
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>Methanol</td>
<td>As Per EC Regulation 1272/2008</td>
<td>&gt;=90.0% - &lt;=100.0%</td>
</tr>
<tr>
<td>CAS No. : 67-56-1</td>
<td>Flam. Liq. 2; Acute Tox. oral. 3; Acute Tox. dermal. 3; Acute Tox. inhal. 3; STOT SE 1</td>
<td></td>
</tr>
<tr>
<td>EC No. : 200-659-6</td>
<td>H225; H301; H311; H331; H370</td>
<td></td>
</tr>
<tr>
<td>Index-No : 603-001-00-X</td>
<td></td>
<td></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
Nature of decomposition products not known.

5.3 Precautions for fire-fighters
Wear self contained breathing apparatus for fire fighting if necessary

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>Blue 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
   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
   Leishman stain
   Acute oral toxicity
No data available

Acute inhalation toxicity
No data available

Acute dermal toxicity
No data available

Skin irritation
No data available

Eye irritation
No data available

Sensitisation
No data available

Ames test
No data available

Mutagenicity (mammal cell test)
No data available

Carcinogenicity
No data available

Toxicity to Reproduction
No data available

Teratogenicity
No data available

Additional information:
RTECS: No data available

**Methanol**

*Acute Oral Toxicity*
Rat LD50: 5600 mg/kg
Rabbit LD50: 14200 mg/kg

*Acute Dermal Toxicity*
Rabbit LD50: 15800 mg/kg

*Acute Inhalation Toxicity*
Rabbit LC50: 81000 mg/m
Rat LC50: 64000 ppm/4h

*Eye Damage/Irritation*
Moderate eye irritant.

*Skin Corrosion/Irritation*
Not considered to be an irritant.

*Sensitization*
Not considered to be a sensitazer.

*Chronic Toxicity and Carcinogenicity*
Not listed by IARC, NTP, ACGIH OR OSHA as a carcinogen.

*Reproductive Toxicity*
Not considered to be reproductive toxin.

*Mutagenicity*
There is insufficient information available to conclude that methanol is mutagenic.

12  Ecological Information
12.1  Toxicity
No data available
Components:
Leishman stain
Toxicity
No data available
Components:
Methanol
Toxicity to fish
Fish LC50: 15400-29400 mg/l, 96h
Toxicity to Daphnia
Daphnia magna EC50: 10000 mg/l, 48h
Toxicity to Algae
Algae EC50: 22000 mg/l, 72h

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

14.2  UN proper shipping name
ADNR : Methanol
14.3 Transport hazard class(es)
ADR : Methanol
IATA_C : Methanol
IATA_P : Methanol
IMDG : Methanol
RID : Methanol

ADNR : 3
ADR : 3
IATA_C : 3
IATA_P : 3
IMDG : 3
RID : 3

14.4 Packaging group
ADNR : II
ADR : II
IATA_C : II
IATA_P : II
IMDG : II
RID : II

14.5 Environmental hazards
ADNR : NO
ADR : NO
IATA_C : NO
IATA_P : NO
IMDG : Marine pollutant - 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
H225 Highly flammable liquid and vapour
H301 Toxic if swallowed
H311 Toxic in contact with skin
H331 Toxic if inhaled
H370 Causes damage to organs
Acute Tox. dermal. 3 Acute toxicity, dermal, Category 3
Acute Tox. inhal. 3 Acute toxicity, inhaled, Category 3
Acute Tox. oral. 3 Acute toxicity, oral, Category 3
Flam. Liq. 2 Flammable liquids, Category 2
STOT SE 1 Specific target organ toxicity, single exposure, Category 1

Further Information

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