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

1.1 Product Identifiers
Product Number: S041
Product Name: FA Rhodamine Counterstain
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.: +91-22-2500 2468
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]
Hazardous to the aquatic environment, long term hazard, (Category 2), H411

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

Pictogram
Hazard Statement(s)
H411 Toxic to aquatic life with long lasting effects
Precautionary Statement(s)
P273 Avoid release to the environment.
P391 Collect spillage.

2.3 Other Hazards
None

3 Composition/Information On Ingredients

3.2 Mixture
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 extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media
No data available.

5.2 Special hazards arising from the substance or mixture
Has a fire promoting effect due to release of oxygen, Ambient fire may liberate hazardous vapours

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.

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### 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>Reddish violet 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>
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<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

Incompatible material

#### 10.5 Incompatible materials

Reducing agents, Acid chlorides

#### 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

**Potassium permanganate**

**Acute oral toxicity**
Rat LD50 : >2 000 mg/kg

**Acute dermal toxicity**
Rat LD50 : >2 000 mg/kg

**Skin irritation**
Rabbit Result: Corrosive

**Eye irritation**
No data available

**Sensitisation**
Guinea pig Maximisation Test Result: not sensitizing

**Genetic toxicity(in-vitro)**
Mammalian cell gene mutation assay: Negative (As per OECD Guideline 476)

**Genetic toxicity(in-vivo)**
Micronucleus assay: Negative (ECHA)

**Carcinogenicity**
No data available

Toxicity to Reproduction
No data available

Teratogenicity
No data available

Additional information:
RTECS: SD6475000

12 Ecological Information
12.1 Toxicity
No data available

Components:
Potassium permanganate

Toxicity to fish
Poecilia reticulata (Semi-static test) LC50:1.51 mg/L;24h
Daphnia magna (Water flea) EC50: 0.15 mg/L;24h

Toxicity to microorganisms
Activated sludge of predominantly domestic sewage EC50:164 mg/L;3h

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 licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

13.2 Contaminated packaging
Dispose of as unused product.

14 Transport Information
14.1 UN-No
ADNR : 3082 ADR : 3082 IATA_C : 3082 IATA_P : 3082 IMDG : 3082 RID : 3082

14.2 UN proper shipping name
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADNR</td>
<td>Environmentally hazardous substance, liquid, n.o.</td>
</tr>
<tr>
<td>ADR</td>
<td>Environmentally hazardous substance, liquid, n.o.</td>
</tr>
<tr>
<td>IATA_C</td>
<td>Environmentally hazardous substance, liquid, n.o.</td>
</tr>
<tr>
<td>IATA_P</td>
<td>Environmentally hazardous substance, liquid, n.o.</td>
</tr>
<tr>
<td>IMDG</td>
<td>Environmentally hazardous substance, liquid, n.o.</td>
</tr>
<tr>
<td>RID</td>
<td>Environmentally hazardous substance, liquid, n.o.</td>
</tr>
</tbody>
</table>

### 14.3 Transport hazard class(es)
- ADNR: 9
- ADR: 9
- IATA_C: 9
- IATA_P: 9
- IMDG: 9
- RID: 9

### 14.4 Packaging group
- ADNR: III
- ADR: III
- IATA_C: III
- IATA_P: III
- IMDG: III
- RID: III

### 14.5 Environmental hazards
- ADNR: NO
- ADR: NO
- IMDG: Marine pollutant: Yes
- 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
- H272: May intensify fire; oxidizer
- H302: Harmful if swallowed
- 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
- Ox. Liq. 2: Oxidising liquids, Category 2

### Further Information
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