Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: ACRIFLAVINE 1% 250ml, 500ml, 1 ltr.
CAS number: 8048-52-0
Product code: ACR1/ ACR2/ ACR3

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

Recommended use: Aquatic fish medication for Koi Carp
Not recommended: For any other species

1.3. Details of the supplier of the safety data sheet

Company name: Kusuri Products Limited
12 Wentworth Road
Heathfield Industrial Estate
Newton Abbot
Devon
TQ12 6TL
United Kingdom
Tel: +44 (0)1626 836600
Fax: +44 (0)1626 836700
Email: kay@kusuri.co.uk

1.4. Emergency telephone number

Emergency Tel: +44 (0)1626 836600

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Eye Irrit. 2: H319; Skin Irrit. 2: H315; STOT SE 3: H335 See section 16.
Most important adverse effects: Irritating to eyes, respiratory system and skin.

2.2. Label elements

Hazard statements: H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.

Signal words: Warning
SAFETY DATA SHEET
ACRIFLAVINE 1%

Hazard pictograms: GHS07: Exclamation mark

Precautionary statements:
P261: Avoid breathing fumes/gas/mist/vapours/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P271: Use only outdoors or in a well-ventilated area.
P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312: Call a POISON CENTER or doctor if you feel unwell.

2.3. Other hazards
PBT: This product is not identified as a PBT substance.

Section 3: Composition/information on ingredients

3.1. Substances
Chemical identity: ACRIFLAVINE NEUTRAL 1% in aqueous solution/neutral pH stable base.

Section 4: First aid measures

4.1. Description of first aid measures
Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion: Wash out mouth with water. Consult a doctor.
Inhalation: Remove casualty from exposure ensuring one’s own safety whilst doing so. Consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed
Skin contact: There may be irritation and redness at the site of contact.
Eye contact: There may be irritation and redness. The eyes may water profusely.
Ingestion: There may be soreness and redness of the mouth and throat.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

4.3. Indication of any immediate medical attention and special treatment needed
Immediate / special treatment: Eye bathing equipment should be available on the premises.
**SAFETY DATA SHEET**  
**ACRIFLAVINE 1%**

### Section 5: Fire-fighting measures

<p>| | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td><strong>5.1. Extinguishing media</strong></td>
<td></td>
</tr>
<tr>
<td>Extinguishing media:</td>
<td>Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.</td>
</tr>
<tr>
<td><strong>5.2. Special hazards arising from the substance or mixture</strong></td>
<td></td>
</tr>
<tr>
<td>Exposure hazards:</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>5.3. Advice for fire-fighters</strong></td>
<td></td>
</tr>
<tr>
<td>Advice for fire-fighters:</td>
<td>Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.</td>
</tr>
</tbody>
</table>

### Section 6: Accidental release measures

<p>| | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td><strong>6.1. Personal precautions, protective equipment and emergency procedures</strong></td>
<td></td>
</tr>
<tr>
<td>Personal precautions:</td>
<td>Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel.</td>
</tr>
<tr>
<td><strong>6.2. Environmental precautions</strong></td>
<td></td>
</tr>
<tr>
<td>Environmental precautions:</td>
<td>Do not discharge into drains or rivers</td>
</tr>
<tr>
<td><strong>6.3. Methods and material for containment and cleaning up</strong></td>
<td></td>
</tr>
<tr>
<td>Clean-up procedures:</td>
<td>Spills collected in absorbent material. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.</td>
</tr>
<tr>
<td><strong>6.4. Reference to other sections</strong></td>
<td></td>
</tr>
<tr>
<td>Reference to other sections:</td>
<td>Refer to section 8 of SDS.</td>
</tr>
</tbody>
</table>

### Section 7: Handling and storage

<p>| | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td><strong>7.1. Precautions for safe handling</strong></td>
<td></td>
</tr>
<tr>
<td>Handling requirements:</td>
<td>Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space.</td>
</tr>
<tr>
<td><strong>7.2. Conditions for safe storage, including any incompatibilities</strong></td>
<td></td>
</tr>
<tr>
<td>Storage conditions:</td>
<td>Store in cool, well ventilated area between 2°C and 30°C. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.</td>
</tr>
<tr>
<td><strong>7.3. Specific end use(s)</strong></td>
<td></td>
</tr>
<tr>
<td>Specific end use(s):</td>
<td>Aquatic fish medication for Koi Carp.</td>
</tr>
<tr>
<td>Caution:</td>
<td>Do not exceed the recommended dosage on label. Overdosing will cause fish fatalities.</td>
</tr>
</tbody>
</table>

### Section 8: Exposure controls/personal protection

<p>| | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td><strong>8.1. Control parameters</strong></td>
<td></td>
</tr>
<tr>
<td>Workplace exposure limits:</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>8.1. DNEL/PNEC Values</strong></td>
<td></td>
</tr>
<tr>
<td>DNEL / PNEC</td>
<td>No data available.</td>
</tr>
<tr>
<td><strong>8.2. Exposure controls</strong></td>
<td></td>
</tr>
<tr>
<td>Engineering measures:</td>
<td>N/A</td>
</tr>
</tbody>
</table>
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Respiratory protection: N/A
Hand protection: Protective Nitrile or Latex gloves.
Eye protection: Safety glasses. Ensure eye bath is to hand.
Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid
Colour: Brown
Melting point/range°C: None

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity
Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability
Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions
Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid
Conditions to avoid: Heat and Frost.

10.5. Incompatible materials
Materials to avoid: Oxidising agents.

10.6. Hazardous decomposition products
Haz. decomp. products: N/A

Section 11: Toxicological information

11.1. Information on toxicological effects

Relevant hazards for substance:

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Route</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>DRM</td>
<td>Based on test data</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>OPT</td>
<td>Based on test data</td>
</tr>
<tr>
<td>STOT-single exposure</td>
<td>INH</td>
<td>Based on test data</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET  
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**Symptoms / routes of exposure**

<table>
<thead>
<tr>
<th>Exposure Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin contact</td>
<td>There may be irritation and redness at the site of contact.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>There may be irritation and redness. The eyes may water profusely.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>There may be soreness and redness of the mouth and throat.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.</td>
</tr>
</tbody>
</table>

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

**Section 12: Ecological information**

12.1. **Toxicity**

Ecotoxicity values: No data available.

12.2. **Persistence and degradability**

Persistence and degradability: No data available.

12.3. **Bioaccumulative potential**

Bioaccumulative potential: No data available.

12.4. **Mobility in soil**

12.5. **Results of PBT and vPvB assessment**

PBT identification: This product is not identified as a PBT substance.

12.6. **Other adverse effects**

Other adverse effects: None.

**Section 13: Disposal considerations**

13.1. **Waste treatment methods**

Disposal operations: Transfer to a suitable container and contact your local waste disposal authority for advice.

NB: The user’s attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information**

14.1. **UN number**

UN number: UN3077

14.2. **UN proper shipping name**

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3. **Transport hazard class(es)**

Transport class: 9

14.4. **Packing group**

Packing group: III

14.5. **Environmental hazards**

Environmentally hazardous: Yes  
Marine pollutant: No
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14.6. Special precautions for user

Special precautions: No special precautions
Tunnel code: E
Transport category: 3

Section 15: Regulatory information

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

Manufacturers licence No: SAM0002 under VMD regulations.
COSHH: Control of Substances Hazardous to Health (COSHH) Regulations 2002
H.S.E. Guidance Note EH40 (Occupational Exposure Limits).
Manual Handling Operations Regulations 1992

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.
Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.