

Kusuri Products Limited

www.kusuri.co.uk

SAFETY DATA SHEET

ACRIFLAVINE 1.5% & MALACHITE GREEN 0.7%

Compilation date: 06/08/2019

Revision No: 1



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

1.1 Product identifier

Product name: ACRIFLAVINE 1.5% & MALACHITE GREEN 0.7% 250ml, 500ml, 1 ltr.

CAS/EC number: ACRIFLAVINE 2437-29-8 209-322-8 MALACHITE GREEN 8048-52-0

Product code: AMG1/AMG2/AMG3

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 QM

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: Acute Tox.4: H302; Skin Irrit. 2: H315; Eye Dam. 1: H318; Eye Irrit. 2: H319; STOT SE 3:H335; Repr. 2 H361d; Aquatic Chronic 1: H410.

Most important adverse effects: Harmful if swallowed. Irritating to eyes, respiratory system and skin. Causes serious eye damage. Suspected of damage the unborn child. Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazard statements: H302: Harmful if swallowed.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.

SAFETY DATA SHEET

ACRIFLAVINE 1.5% & MALACHITE GREEN 0.7%

H361d: Suspected of damaging the unborn child.

H410: Very toxic to aquatic life with long lasting effects.

Signal words: Danger

Hazard pictograms: GHS07: Exclamation mark
GHS08: Health hazard
GHS09: Environmental



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.
P501: Dispose of contents/container to approved disposal plant.

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 1.5% in aqueous solution/neutral pH stable base.
MALACHITE GREEN OXALATE (55%) 0.7%

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. Drench the affected skin with running water for 10 minutes or longer if substance is on skin. Consult a doctor.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

SAFETY DATA SHEET

ACRIFLAVINE 1.5% & MALACHITE GREEN 0.7%

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. Bathe the eye with running water for 15 minutes. Consult a doctor.
- Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.
- 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.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: 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.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers

6.3. Methods and material for containment and cleaning up

Clean-up procedures: 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.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: 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.

SAFETY DATA SHEET

ACRIFLAVINE 1.5% & MALACHITE GREEN 0.7%

7.3. Specific end use(s)

Specific end use(s): Aquatic fish medication for Koi Carp.

Caution: Do not exceed the recommended dosage on label. Overdosing will cause fish fatalities.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: N/A

8.1. DNEL/PNEC Values

DNEL / PNEC: No data available.

8.2. Exposure controls

Engineering measures: N/A

Respiratory protection: N/A

Hand protection: Protective Nitrile or Latex gloves. EN 374 (EU).

Eye protection: Eye protection, safety goggles. EN 166 (EU) Ensure eye bath is to hand.

Skin protection: Protective clothing. EN 14605 (EU)

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Brown

Melting point/range°C: N/A

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. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

SAFETY DATA SHEET

ACRIFLAVINE 1.5% & MALACHITE GREEN 0.7%

Section 11: Toxicological information

11.1. Information on toxicological effects

Relevant hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. Tox. 4)	ING	Based on test data
Serious eye damage/irritation	OPT	Based on test data
Reproductive toxicity	--	Based on test data
Skin corrosion/irritation	DRM	Based on test data
STOT-single exposure	INH	Based on test data

Symptoms / routes of exposure

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. Nausea and stomach pain may occur. There may be vomiting.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

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: Not biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: Bioaccumulation potential.

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

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

vPvB: This product is not identified as a vPvB substance.

12.6. Other adverse effects

Other adverse effects: Toxic to aquatic organisms. Toxic to soil organisms.

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.

SAFETY DATA SHEET

ACRIFLAVINE 1.5% & MALACHITE GREEN 0.7%

Section 14: Transport information

14.1. UN number

UN number: UN2811/UN3077

14.2. UN proper shipping name

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

((bis[[4-[4-9dimethylamino0benzhydrylidene]cyclohexa-2,5-dien-1ylidene]dimethylammonium]oxalate))

14.3. Transport hazard class(es)

Transport class: 6.1

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: No

14.6. Special precautions for user

Special precautions: No special precautions

Tunnel code: E

Transport category: 2

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

HSE: Health and Safety at Work Act 1974

H.S.E. Guidance Note EH40 (Occupational Exposure Limits)

Manual Handling Operations Regulations 1992

EU legislation: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18

December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

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).

Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.

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.

SAFETY DATA SHEET
ACRIFLAVINE 1.5% & MALACHITE GREEN 0.7%

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.