

Kusuri Products Limited

www.kusuri.co.uk

SAFETY DATA SHEET

FLUKE S

Compilation date: 08/01/2018

Revision No: 1



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

1.1 Product identifier

Product name: FLUKE S 100g, 50g, 10g.

CAS number: Praziquantel: 55268-74-1

Product code: FLUS1/FLUS2/FLUS3

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: Carc.2: H351; Aquatic Chronic 3: H412;

Most important adverse effects: Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazard statements: H351: Suspected of causing cancer.

H412: Harmful to aquatic life with long lasting effects.

Signal words: Warning.

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Hazard pictograms: GHS08



Precautionary statements: P281: Use personal protective equipment as required.
P273: Avoid release to the environment.
P201: Obtain special instructions before use
P308/P313: If exposed or concerned – Get medical advice or attention.
P405: Store locked up.
P501: Dispose of contents/container to approved disposal plant.

2.3. Other hazards

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

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

Section 3: Composition/information on ingredients

3.1. Substances

Chemical identity: Praziquantel.

CAS number: 552268-74-1

EC number: 259-559-6

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash off with soap and water, rinse thoroughly.

Eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

Inhalation: Supply fresh air; Consult a doctor in case of complaints.

Ingestion: Rinse out mouth. Do not induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: Prolonged contact may cause redness, irritation and dry skin.

Eye contact: Irritating to eyes. Symptoms following over exposure may include redness and pain.

Inhalation: Fumes may cause headache, fatigue, dizziness and nausea. Powder may cause respiratory tract irritation.

Ingestion: Gastrointestinal symptoms, including upset stomach. May cause stomach pain or vomiting.
Diarrhoea. May cause nausea, headache, dizziness and intoxication.

Delayed / immediate effects: No further relevant information available.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Eye bathing equipment should be available on the premises.

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Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Formation of toxic gases is possible during heating or in case of fire. Oxides of carbon. Acrid smoke or fumes. Although not classed as flammable this product is combustible. May ignite at high temperature. Solvent vapours may form explosive mixtures with air.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus for fire fighting if necessary. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Fight advanced or massive fires from safe distance or protected location. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

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. Avoid inhalation of powder and contact with skin and eyes. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point.

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: Stop spill or leak if possible without risk. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Avoid the spillage entering drains, sewers or watercourses. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS for protective clothing. For disposal see section 13.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Keep away from heat, sparks and open flame. Avoid contact with skin, eyes and clothing. Avoid inhalation of powder. 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 below 20°C. Keep container tightly closed. Keep away from sources of ignition and heat.

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.

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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.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Powder

Colour: White

Melting point/range°C: 136°C – 142°C

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. The following materials may react with the product: Strong oxidising agents.
Strong acids.
Strong alkalis.

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. Reacts with strong oxidising agents Reacts with strong acids Reacts with strong alkalis.

10.4. Conditions to avoid

Conditions to avoid: Heat and Frost. Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidising agents.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids. Strong alkalis.

10.6. Hazardous decomposition products

Haz. decomp. products: Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

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Section 11: Toxicological information

11.1. Information on toxicological effects

Relevant hazards for substance:

Hazard	Route	Basis
Praziquantel:	Less than 5% in weight	
Acute toxicity - oral	LD ₅₀ > 5000 mg/kg	Based on test data
Acute toxicity - dermal	LD ₅₀ > 5010 mg/kg	Based on test data
Acute toxicity - inhalation	LC ₅₀ 2.34 mg/l	Based on test data
Skin corrosion/irritation	No data available	No data available
Serious eye damage/irritation	No data available	No data available
Respiratory or skin sensitisation	No data available	No data available
CMR effects (Carcinogenicity, mutagenicity, and toxicity for reproduction) Carc. 2	IARC	No component of this product present at levels greater than or equal to 0.1% is identified as reasonably suspected but not confirmed as a human carcinogen by IARC.

Symptoms / routes of exposure

Skin contact: No irritating effect.

Eye contact: No irritating effect.

Ingestion: May be harmful if swallowed.

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Delayed / immediate effects: No data available.

Section 12: Ecological information

12.1. Toxicity

Praziquantel: **Less than 50% in weight**

Acute toxicity - fish: EC₅₀/48 h > 35mg/l (Daphnia)

12.2. Persistence and degradability

Persistence and degradability: Readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: Does not Bioaccumulate significantly.

12.4. Mobility in soil

Mobility in soil: The product is water-soluble and may spread in water systems. If product enters soil it will be mobile and may contaminate groundwater.

12.5. Results of PBT and vPvB assessment

PBT identification: This product does not contain any substances classified as PBT.

vPvB: This product does not contain any substances classified as vPvB.

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12.6. Other adverse effects

Other adverse effects: No further relevant information available.

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. Do not allow product to reach sewage system.

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: ADR, AND, IMDG, IATA N/A

14.2. UN proper shipping name

Shipping name: ADR, AND, IMDG, IATA Not dangerous goods

14.3. Transport hazard class(es)

Transport class: ADR, AND, IMDG, IATA N/A

14.4. Packing group

Packing group: ADR, AND, IMDG, IATA N/A

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Special precautions: No special precautions

Tunnel code: N/A

Transport category: N/A

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).

Dangerous Substances and Explosive Atmospheres Regulations 2002.

Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].

Manual Handling Operations Regulations 1992

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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 been carried out.

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.

Abbreviations and acronyms: *ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)*

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC₅₀: Lethal concentration, 50 percent

LD₅₀: Lethal dose, 50 percent

EC₅₀: Effective concentration, 50 percent

NOEC: No observed effect level.