

MATERIAL SAFETY DATA SHEET



KF-8. DUAL PURPOSE MICROEMULSION CONCENTRATE

Issue: 2. Issue Date: 01/12/2004.

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product Name. KF-8 DUAL PURPOSE MICROEMULSION CONCENTRATE.
(1 Hour Re-entry)

Supplier. KINGFISHER BUILDING PRODUCTS Ltd.
COOPER LANE.
BARDSEA BUSINESS PARK
ULVERSTON
CUMBRIA.
LA12 9RA.

Telephone: 01229 869100
Fax: 01229 869101
Emergency: As Above

2. COMPOSITION / INFORMATION ON INGREDIENTS.

Ingredient Name.	CAS.No	Content	Health (Class)	Risk (R No.)
Permethrin.	52645-53-1	2.5%	Harmful	22, 36,43,50,53
Propiconazole	60207-90-1	5.63%	Harmful	22, 43,50/53.
3-Iodo-2-Propynyl-Butyl Carbomate.	55406-53-6.	5.63%	Harmful	20/22, 41, 50.
Surfactant Blend.	00000-00-0	>25%	Irritant	41.

3. HAZARDS IDENTIFICATION

This product is classified as **IRRITANT & DANGEROUS FOR THE ENVIRONMENT** under the Chemicals Hazard Information and Packaging Regulations 2002.

FIRE: - Non flammable.

ENVIRONMENT: - Toxic to aquatic organisms, may have long term adverse effects on the aquatic environment.

HEALTH

Inhalation: - Irritant.

Eye Contact: - Irritant.

Skin Contact: - Irritant.

4. FIRST AID MEASURES.

Inhalation: - Remove to fresh air. If symptoms persist seek medical assistance.

Eye Contact: - Flush well with water. For persistent irritation seek medical assistance.

Skin Contact: - Wash with soap and water. Remove contaminated clothing.
For persistent irritation seek medical attention.

Ingestion: - DO NOT INDUCE VOMITING.
Seek medical attention and show container, label or this

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5. FIRE FIGHTING MEASURES.

This product is not flammable. However toxic fumes (oxides of carbon, hydrogen chloride) may be evolved in the event of a fire.

Extinguishing Media: - Treat fires with dry chemical, foam or water spray.

Protective Measures in Fire. Wear protective clothing and self contained breathing apparatus.
Prevent any run off from entering water courses or drains.

6. ACCIDENTAL RELEASE MEASURES.

Personal Protection During Spill: - Wear suitable protective equipment (see Section 8).

Precautions to Protect Environment: - Product should not be allowed to enter drains or water courses.

Spillage Clean Up Methods: - Clean up excess with inert absorbent material and place in a secure, labelled container. Dispose of waste material and contaminated containers via authorised waste disposal contractor. Spillages will make surfaces very slippery. Clean spill area and any tools used thoroughly. Collect washings and dispose of as contaminated waste.

7. HANDLING AND STORAGE.

Handling Precautions: - Wear respirator when spraying.
Wear suitable protective clothing, gloves and eye/face protection.
Wash hands and exposed skin after handling.
When using do not eat, drink, or smoke.

Storage Criteria: - Store in original container, in a safe place with a secure lid at ambient temperature.
Keep out of reach of children.
Keep away from food, drink or animal feedstuffs.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION.

INGREDIENT.	CAS No.	ACCEPTABLE DAILY INTAKE (ADI)
Permethrin.	52645-53-1	0.05 mg/Kg body weight.
Propiconazole.	60207-90-0.	04 mg/Kg body weight
3-Iodo-2-Propynyl-Butyl Carbamate.	55406-53-6	Not Assigned
Surfactant Blend.	00000-00-0	Not Assigned

Personal Protective Equipment. Respirator: Compulsory when spraying.
Gloves. Impervious recommended. Compulsory when using.
Eye/Face Protection. Safety goggles/face shield recommended. Compulsory when using.
Protective Clothing. Impervious coveralls recommended. Compulsory when using.

Hygienic Work Routines: - Wash hands after using product and before eating or drinking.

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9. PHYSICAL AND CHEMICAL PROPERTIES.

Appearance: - Liquid. **Colour:** - Clear to Straw.
Odour: - Characteristic. **pH:** - 6.5 to 8.5.
Solubility Description: Soluble in Water. **SpG:** 1.040 to 1.060 g/ml
Active: 2.5 % (w/w) Permethrin, 5.63 % (w/w) Propiconazole,
5.63 % (w/w) 3-Iodo-2-Propynyl-Butyl-Carbamate.

10. STABILITY AND REACTIVITY

Stability: Product is stable under normal conditions.
Materials to Avoid. Avoid mixing with other chemicals unless instructed to do so. Avoid mixing with strong alkalis / acids.

11. TOXICOLOGICAL INFORMATION.

Eye Irritation: Risk of serious damage to eyes.
Skin Irritation: May cause irritation.
Skin Sensitiser: Yes
Oral LD50: 500mg/Kg (Rat) (Permethrin)
Dermal LD50: >2000mg/Kg (Rabbit)

This product has not been tested. The data has been calculated using data from individual components.

12. ECOLOGICAL INFORMATION.

Environmental Hazards: This product is classified as may cause long term effects in aquatic environment.
This product must not enter drains or water courses.
Inform appropriate authority if large spillage enters drains. .
The product is biodegradable.

Ecotoxicity.

Permethrin	96hr LC50: 0.09mg/L (Rainbow Trout) 48hr LC50: 0.002µg /L (Daphnia Magna)
Propiconazole	96hr LC50: 20mg/L (Brown Trout), 96hr LC50: >100mg/L (Carp).
3-Iodo-2-Propynyl-Butyl Carbamate	96hr LC50: 67µg/L (Rainbow Trout) 48hr LC50: 696 µg/L (Daphnia Magna).

13. DISPOSAL CONSIDERATIONS

Disposal Methods: Empty containers must be washed out thoroughly and cut before disposal by land fill. Contaminated packaging and waste product must be disposed of via an authorised waste disposal contractor. The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

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14. TRANSPORT INFORMATION

Label for Conveyance. ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Contains Permethrin, Propiconazole, 3-Iodo-2-Propynyl-Butyl Carbamate).

UN No. 3082 **Packaging Group.** III

ADR Class. Class 9. **HI No.** 90.

Marine Pollutant. No.

15. REGULATORY INFORMATION

Label for Supply :



Irritant, Xi. Dangerous for the Environment, N.

Risk Phrases :

R36/38	Irritating to eyes and skin
R43	May cause sensitisation by skin contact.
R51/53	Toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.

Safety Phrases :

S2.	Keep out of reach of children.
S20	When using do not eat or drink.
S26	In case of contact with eyes, rinse immediately with plenty of water and see medical attention.
S28.	After contact with skin wash immediately with plenty of soap and water.
S36/37/39.	Wear suitable protective clothing/gloves and eye/face protection.
S45	In case of accident or if you feel unwell, seek medical advice immediately (Show label where possible)
S61	Avoid release to the environment. Refer to special instructions/safety data

HSE No. 7440

16. OTHER INFORMATION

User Notes : Recommended Uses. Insecticide/Fungicide Concentrate.

Note : 3-Iodo-2-Propynyl-Butyl Carbamate is a carbamate compound which has weak anticholinesterase activity. DO NOT USE if under medical advice not to work with anticholinesterase compounds.

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