

MATERIAL SAFETY DATA SHEET



KF-8 MICROEMULSION INSECTICIDE.

Issue : 2 . Issue Date : 28/11/2004.

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product Name. KF-8 INSECTICIDE MICROEMULSION CONCENTRATE

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.

Description. An aqueous blend of non-ionic surfactants and active ingredient.

Ingredient Name.	CAS.No	Content	Health (Class)	Risk (R No.)
PermethrinTechnical.	52645-53-1	1.25 %	Harmful Xn	22, 36,43,50,53
Surfactant Blend	00000-00-0	< 10%	Irritant Xi	41

3. HAZARDS IDENTIFICATION

This product is not classified as IRRITANT and 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 safety data sheet to doctor

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5. FIRE FIGHTING MEASURES.

This product is not flammable. However toxic fumes (oxides of carbon, hydrogen chloride and hydrogen fluoride) 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 temperatures.
Keep out of reach of children. Keep away from food, drink or animal feedstuffs.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION.

INGREDIENT .	CAS No.	STD OEL	LT EXP (8 Hrs)	ST EXP (15 Min)
Permethrin Surfactant Blend.	52645-53-1		0.05mg/Kg of body weight 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 :- Pale Straw to Colourless.

Odour: - Characteristic

pH: - 6.5 – 8.5

Specific Gravity: - 1.000 – 1.020.

Active Content :- 1.25%(w/w) Permethrin.

Solubility: - Soluble in Water.

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: 55mg/Kg (Rat) (Permethrin)

Dermal LD50: >200mg/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. 96hr LC50: 0.09mg/L (Rainbow Trout)
48hr LC50: 0.002µg /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).

UN No.: 3082 **Packaging Group:** III **ADR Class:** 9.

H.I.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 sheets.

HSE No. 6827

16. OTHER INFORMATION

User Notes : Recommended uses: Insecticide Concentrate.

THE INFORMATION GIVEN IN THIS DATA SHEET RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. SUCH INFORMATION IS TO THE BEST OF THE COMPANY'S KNOWLEDGE AND BELIEF, ACCURATE AND RELIABLE AS OF THE DATE INDICATED. HOWEVER NO WARRANTY, GUARANTEE OR REPRESENTATION IS MADE AS TO ITS ACCURACY, RELIABILITY OR COMPLETENESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY THEMSELVES AS TO THE SUITABILITY OF SUCH INFORMATION FOR THEIR OWN USE