



SAFETY DATA SHEET

KF-8 DUAL PURPOSE **MICROEMULSION CONCENTRATE**

SECTION 1: Identification of the substance/mixture and of the company/undertaking.

Product name/code	KF-8 DUAL PURPOSE (Fungicide/Insecticide) / KF21D
Company	Kingfisher Building Products Ltd.
Address	Ulverston Cumbria. LA12 9RA
Web	www.kingfisheruk.com
Telephone	01229 869100
Fax	01229 869101
Email	office@kingfisheruk.com
Emergency Telephone	01229 869100. Mon – Fri 0800 hrs – 1630 hrs.

SECTION 2: Hazard identification.

2.1.1 Classification 1999/45/EC	Xn, Xi, N. R20, – 41-43 – 50/53 Symbols: Xn, Harmful, Xi; Irritant, N, Dangerous for the environment
Main hazards	R20: Harmful if swallowed. R41: Risk of serious damage to eyes. R43: May cause sensitisation by skin contact. R50/53: Very toxic to aquatic organisms may cause long term adverse effects in the aquatic environment.

SECTION 3: Composition/information on ingredients.

Chemical Nature. Microemulsion concentrate.

Chemical Name	CAS No.	EC No	Symbol(s)	Con. (%w/w)	Classification.
Propiconazole	262-104-4		Xn, N.	2.82	R22, 43, 50/53.
IPBC	55406-53-6		Xi, N.	2.82	R20, 22, 41, 50.
Permethrin.	52645-53-1		Xn, N.	2.5	R20/22, 43, 50/53.
Surfactant Blend.	00000-00-0		Xi.	>10	R41

SECTION 4: First aid measures.

Inhalation	Move to fresh air. Keep patient warm and at rest. If symptoms persist call a doctor.
Eye contact.	Rinse immediately with plenty of water, holding eyelids open, for at least 15 minutes. Remove contact lenses if present after the first 5 minute, and then continue rinsing eye. Get medical attention if irritation develops and persists.
Skin contact	In case of skin contact, immediately wash with plenty of soap and water for at least 15 minutes. After skin contact, apply vitamin E or simple body milk. If symptoms persist call physician.
Ingestion	Rinse mouth out give water in small sips to drink. Do NOT induce vomiting. If swallowed seek medical advice immediately and show this container or label.
Notes to Physician	No specific treatment. May cause paraesthesia which is usually transient within 24 hours. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SECTION 5: Firefighting measures.

Extinguishing media.	Use water spray, alcohol resistant foam, dry chemical or carbon dioxide. DO NOT USE high volume water jet.
Special hazards arising from product.	Dangerous gases are evolved in the event of a fire. Heated containers may increase in pressure and may burst.
Advice for fire fighters.	In event of fire and/or explosion do not breathe fumes. Wear self contained breathing apparatus. Remove containers from area of fire or cool to prevent pressure build up. Whenever possible, contain fire fighting water by diking area with sand or earth.

SECTION 6: Accidental release measures.

Personal protection.	Keep people away from and upwind from leak/spill. Avoid contact with spilled product or contaminated areas. When dealing with spillage wear appropriate PPE. See section 8. Do not eat drink or smoke in area of spillage.
Environmental precautions.	Do not allow to enter surface water, drains or ground water. If spillage enters drains leading to sewage works inform local water company immediately. If spillage enters water courses or rivers Inform the Environment Agency (Tel 0800 807060).
Clean up methods.	Soak up with inert absorbent material (e.g. sand, silica gel, binders). Keep in a suitable closed container for disposal. (see Section13) Clean floor with plenty of water.

SECTION 7: Handling and storage.

Precautions for safe handling.	Wear appropriate PPE when handling. Follow relevant handling advice. Do not eat, drink or smoke when handling. Do not breathe spray mist.
Storage criteria.	Keep out of reach of children. Store in original container in cool well ventilated place. Keep out of direct sunlight. Keep away from food, drink and animal feed stuffs. Protect from frost.

SECTION 8: Exposure controls / personal protection.

8.1. Exposure limits

Substance	WEL 8-hr limit ppm	WEL 15 min limit ppm.	WEL 8-hr limit mg/m3	WEL 15 min limit mg/m£
Permethrin	-	-	-	-

8.2 Exposure controls.

Engineering controls.	Ensure the work area is well ventilated
Personal protection measures.	
Eye/face protection.	Wear safety glasses with side shields.
Skin/hand protection.	Wear protective clothing.
Respiratory protection.	Wear respirator with ABEK filters

SECTION 9: Physical and chemical properties.

State	Liquid Microemulsion.
Colour	Golden.
Odour	Characteristic.
Solubility in water	Completely soluble
Flash point	>100°C
pH	7.0 – 9.0
Density	1.05g/ml @ 20°C

SECTION 10: Stability and reactivity.

Stability.	This product is stable.
Materials to avoid.	No specific data.
Conditions to avoid.	Avoid extremes of temperature and direct sunlight.
Hazardous Decomposition	Under normal conditions of use and storage, hazardous decomposition products should not occur.

SECTION 11: Toxicological information.

11.1.1. Information on toxicological effects. * This product has not been tested, this data has been calculated.

Toxic dose	LD50 (rat). Oral	LC50 (rat) Inhalation	.LD50 (rat) Dermal
Acute toxicity	200 -2000mg/kg	>5.0 mg/l (4 hr exposure)	>2000 mg/kg
Skin Irritation	This product may be irritating to the skin		
Eye Irritation	Risk of serious damage to eyes.		
Sensitisation	This product may be sensitizing.		

SECTION 12: Ecological information.

General information.	This product has not been tested and the data is for PROPICONAZOLE. However this product is classified as very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment		
Toxicity to Fish	LC50 (Salmo Trutta)	Exposure Time 96 hrs.	5.3 mg/l.
Toxicity to Daphnia	EC50 (Daphnia Magna)	Exposure Time 48 hrs.	10.2 mg/l
Toxicity to Algae	LC50 (Algae)	Exposure Time 72 hrs.	0.76 mg/l.

SECTION 13: Disposal considerations.



General information.	Contaminated packaging and waste product must be disposed of via a licensed waste disposal contractor in accordance with local and national regulations.
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SECTION 14: Transport information.

Hazard pictograms.	
UN Number	UN 3082
UN Proper Shipping name.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID. N.O.S. (Contains Propiconazole, IPBC & Permethrin)
Transport hazard class(es)	ADR/RID. 9 IMDG. 9 IATA . 9
Packing group	III
Environmental hazards	YES
Marine pollutant	YES
Hazard ID	90
Tunnel category	(E)
EmS code. IMDG.	F-A, S-F
Packing Inst. (Cargo) IATA.	964
Maximum quantity	450L
Packing Inst. (Passenger)	964
Maximum quantity	450L

SECTION 15: Regulatory information.

Labelling

Symbols	<p>The product is classified in accordance with 67/548/EEC</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Xn. Harmful</p> </div> <div style="text-align: center;">  <p>N. Dangerous for the environment</p> </div> </div>
Risk phrases.	<p>R20 – Harmful by inhalation. R41 – Risk of serious damage to eyes. R43 – May cause sensitisation by skin contact. R50/53 – Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.</p>
Safety phrases	<p>S2 – Keep out of reach of children. S35 – This material and its container must be disposed of in a safe way. S57 – Use appropriate containment to avoid environmental contamination.</p>

SECTION 16: Other information.

Text of risk phrases in Section 3	<p>R20 – Harmful by inhalation R22 – Harmful if swallowed. R41 – Risk of serious damage to eyes R43 - May cause sensitisation by skin contact. R50 – Vary toxic to aquatic organisms. R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effect in the aquatic environment.</p>
Further information	<p>The information supplied in this Safety Data Sheet is designed only as guidance for safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication; however no guarantee is made to its accuracy. This information 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 other process.</p>