

Safety Data Sheet according to Directive 91/155/EEC

MICROLIFIC FEEDDHA

Revision 27.02.2003

(dd.mm.yyyy)

1. Identification of the Substance/Preparation and the Company/Undertaking

Product name	MICROLIFIC FEEDDHA
Chemical identification	Metal chelate
CAS Number	Preparation
Use	-
Producer/Supplier	CIBA SC (WT) BRADFORD PO BOX 38 LOW MOOR BRADFORD, WEST YORKSHIRE, BD12 OJZ GREAT BRITAIN
Phone Number	+44 (0) 1274 417000
Telefax	+44 (0) 1274 606499
Emergency Phone Number (24h)	+44 (0) 1274 417964

2. Composition/Information on Ingredients

The product contains no substances classified as hazardous to health in concentrations which should be taken into account according to EC directive.

3. Hazards Identification

Not classified as hazardous according the EU directives.
May cause slight skin irritation, especially with repeated or prolonged exposure.
May cause some eye irritation which should cease after removal of the product.

4. First Aid Measures

Skin contact

Wash off immediately with soap and plenty of water.

Eye contact

Rinse immediately with plenty of water for at least 15 minutes. In case of eye irritation, seek medical attention.

Inhalation

Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.

Ingestion

Do not induce vomiting. Give nothing by mouth in cases of unconsciousness or convulsion. Check for breathing and pulse, if present, place in the recovery position and obtain medical attention. Do not give mouth to mouth resuscitation. Use resuscitation bag and mask. If conscious rinse out the mouth with water. Give 1 pint (600 ml) of water to drink immediately and repeated drinks of water at a rate of a cupful (1/3 pint/200 ml) every 10 minutes. Call a physician immediately.

5. Fire-Fighting Measures

Suitable extinguishing media

Water spray

Extinguishing media which must not be used for safety reasons

High volume water jet

Special protective equipment for firefighters

As for all fires involving chemicals: chemical protection suit, suitable gloves, boots and self contained breathing apparatus.

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Combustion products

Oxides of carbon

6. Accidental Release Measures

Personal precautions

Use suitable protective equipment.

Environmental precautions

Do not flush into surface water, sanitary sewer or ground water system.

Methods for cleaning up

Sweep up and shovel into suitable containers for disposal.

7. Handling and Storage

Handling

Avoid dust formation

Storage

Protect from wet and humid conditions. Store away from food, drink and animal feedstuffs.

8. Exposure Controls / Personal Protection

Exposure limit(s)

CIEL-TWA Ciba internal exposure limit (8 hour time weighted average)

not tested

Respiratory protection

Air respirator. Required if occupational exposure limits may be exceeded.

Hand protection

Rubber or plastic gloves.

Eye protection

Safety glasses with side-shields.

Skin and body protection

Dustproof protective suit

9. Physical and Chemical Properties

Form	Dry flowable granules	
Colour	dark red to black	
Odour	faint	
Melting/freezing temperature	not applicable	
Softening point	not applicable	
Boiling point/range	not applicable	
Relative density	not tested	
Bulk density	0.7 g/cm ³	Typical Value
Flash point	not applicable	
Assessment for ignition temperature	May smoulder. Dust may form explosive mixture in air.	
Oxidising properties	not applicable	
Assessment for water solubility	soluble	
Solubility	not tested	
Vapour pressure	not tested	
Partition coefficient; Log Pow	not applicable	
pH-value 2 %	8	Typical Value
Dynamic Viscosity	not tested	
Lower Explosion Limit	not applicable	
Upper Explosion Limit	not applicable	
Explosive properties	not applicable	
Evaporation rate	not applicable	
Vapour density	not tested	

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10. Stability and Reactivity

Conditions to avoid	Extremes of temperature. Avoid wet or humid conditions.
Materials to avoid	Strong bases and oxidising agents.
Hazardous decomposition products	Combustion may result in the formation of: Oxides of carbon

11. Toxicological Information

Acute oral toxicity <i>Rat</i>	LD50 > 2000 mg/kg	By analogy to similar products
Acute dermal toxicity	not tested	
Acute Inhalation Toxicity	not tested	
Acute eye irritation/corrosion	not irritant	Conventional Method
Acute dermal irritation/corrosion	not irritant	Conventional Method
Acute skin sensitisation	not tested	

12. Ecological Information

Acute toxicity to fish	> 100 mg/l	By analogy to similar products
Acute toxicity to daphnia	not tested	
Acute toxicity to bacteria	not tested	
Acute toxicity to algae	not tested	
Biodegradability	not tested	

Ecotoxicity Assessment

Not expected to be harmful to the aquatic environment.

13. Disposal Considerations

Waste from residues / unused products

Local regulations must be observed.

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Contaminated packaging

Contaminated packaging material should be treated equivalent to residual chemical. Clean packaging material should be subjected to waste management schemes (recovery recycling, reuse) according to local legislation.

14. Transport Information

Flash point	not applicable
ADR/RID	Class: Free
IMO	Class: Free
ICAO	Class: Free

15. Regulatory Information

Classification	Classification not required
Additional labeling information	Safety data sheet available for professional user on request.

16. Other Information

R-phrases from chapter 2	-
Essential changes	Section 3 ; Section 9 ; Section 15 ; Section 16

Important

THIS MATERIAL IS NOT INTENDED FOR USE IN PRODUCTS FOR WHICH PROLONGED CONTACT WITH MUCOUS MEMBRANES, BODY FLUIDS OR ABRADED SKIN, OR IMPLANTATION WITHIN THE HUMAN BODY, IS SPECIFICALLY INTENDED, UNLESS THE FINISHED PRODUCT HAS BEEN TESTED IN ACCORDANCE WITH NATIONALLY AND INTERNATIONALLY APPLICABLE SAFETY TESTING REQUIREMENTS. BECAUSE OF THE WIDE RANGE OF SUCH POTENTIAL USES, CIBA IS NOT ABLE TO RECOMMEND THIS MATERIAL AS SAFE AND EFFECTIVE FOR SUCH USES AND ASSUMES NO LIABILITY FOR SUCH USES.

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.