

Safety data sheet

Page: 1/6

BASF Safety data sheet according to 91/155/EEC

Date / Revised: 25.11.2009

Product: **LIBREL® FE-HI**

Version: 1.0

(30483364/SDU_GEN_EU/EN)

Date of print 05.12.2009

1. Substance/preparation and company identification

LIBREL® FE-HI

Use: Micronutrient

Company:

BASF SE

67056 Ludwigshafen

GERMANY

Operating Division Care Chemicals

Telephone: +49 621 60-44676

Telefax number: +49 621 60-6644676

E-mail address: detergents-formulators@basf.com

Emergency information:

International emergency number:

Telephone: +49 180 2273-112

2. Composition/Information on Ingredients

Chemical nature:

Hazardous ingredients		Classification*	Content (%)
CAS-No.: 5064-31-3	trisodium nitrilotriacetate	Xn	<5
EC-No.: 225-768-6		R 22, 36, 40	

*) The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

3. Hazards Identification

Classification not required

Hazards:

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

If inhaled:

Move to fresh air. Seek medical attention if you feel unwell or if exposure prolonged.

On skin contact:

Remove contaminated clothing. Wash affected skin with soap and plenty of water.

On contact with eyes:

Rinse immediately with plenty of water for at least 10 minutes taking care to wash under the eyelids. If irritation persists, seek medical attention.

On ingestion:

Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Check breathing and pulse. Place victim in the recovery position, cover and keep warm. Loosen tight clothing such as a collar, tie, belt or waistband. Seek medical attention. Rinse mouth and then drink plenty of water. If you feel unwell, seek medical advice.

5. Fire-fighting Measures

Suitable extinguishing media:

water spray

Unsuitable extinguishing media for safety reasons:

water jet

Combustion products:

Carbon oxides.

Special protective equipment:

Chemical protection suit, suitable gloves, boots and self contained breathing apparatus.

6. Accidental Release Measures

Personal precautions:

Use personal protective clothing.

Environmental precautions:

Prevent entry into sewage systems, ground and surface waters.

Methods for cleaning-up or taking-up:

Scoop into marked containers for disposal as chemical waste.

7. Handling and Storage

Handling

Avoid dust formation.

Storage requirements:

Avoid wet or humid conditions.

Store away from food and animal feedstuffs.

8. Exposure Controls and Personal Protection

Respiratory protection:

Required if occupational exposure limits may be exceeded.

Hand protection:

Rubber or plastic gloves.

Eye protection:

Safety glasses with side-shields (frame goggles) (EN 166)

Skin and body protection:

Lightweight protective clothing.

9. Physical and Chemical Properties

Form:	Dry flowable granules	
Colour:	red to black	
Odour:	mild	
pH value:	approx. 8 (10 g/l)	
Melting point:	Not applicable	
Boiling point:	Not applicable	
Sublimation point:	Not applicable	
Flash point:	Not applicable	
Flammability:	no data available	
Lower explosion limit:	Not applicable	
Upper explosion limit:	Not applicable	
Ignition temperature:	530 °C	(BAM)
Self-ignition temperature:	no data available	
Explosion hazard:	Not applicable	
Fire promoting properties:	Not applicable	
Vapour pressure:	Not tested	
Density:	no data available	
Relative density:	no data available	
Bulk density:	700 kg/m ³	
Relative vapour density (Air):	Not tested	
Solubility in water:	approx. 100 g/l (20 °C)	
Solubility:	Not tested	
Partitioning coefficient n-octanol/water (log Pow):	Not applicable	
Viscosity, dynamic:	Not tested	
Viscosity, kinematic:	no data available	

Evaporation rate: Not applicable

10. Stability and Reactivity

Conditions to avoid:

Avoid extreme temperatures. Avoid humidity.

Materials to avoid:

strong bases, oxidizing agent

Hazardous decomposition products:

No decomposition expected under normal storage conditions.

11. Toxicological Information

Acute oral toxicity:

rat / LD50: > 2,000 mg/kg

By analogy with a product of similar composition.

Acute inhalation toxicity:

Not tested

Acute dermal toxicity:

Not tested

Skin irritation/corrosion:

Non-irritant (Conventional method)

Eye irritation/corrosion:

Non-irritant (Conventional method)

Skin Sensitization:

Not tested

Repeated dose toxicity:

no data available

12. Ecological Information

Toxicity to fish:

> 100 mg/l

By analogy with a product of similar composition.

Toxicity to aquatic invertebrates:

Not tested

Toxicity to aquatic plants:

Not tested

Toxicity to microorganisms:

Not tested

Assessment of aquatic toxicity:

Not expected to be harmful to the aquatic environment.

Transport between environmental compartments/Mobility:

no data available

Biodegradation:

Not tested

Bioaccumulation:

no data available

13. Disposal Considerations

Waste from residue/unused products:

Observe all local regulations.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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

14. Transport Information

Domestic transport:

Not classified as a dangerous good under transport regulations.

Land transport (ADR):

Not classified as a dangerous good under transport regulations.

Land transport (RID):

Not classified as a dangerous good under transport regulations.

Sea transport (IMDG):

Not classified as a dangerous good under transport regulations.

Air transport (ICAO/IATA):

Not classified as a dangerous good under transport regulations.

15. Regulatory Information

Regulations of the European Union (Labelling) / National legislation/regulations

Classification not required

Additional labelling information:

Safety data sheet available for professional user on request.

16. Other Information

R phrases and hazard symbols:

R22	Harmful if swallowed.
R36	Irritating to eyes.
R40	Limited evidence of a carcinogenic effect.

BASF Safety data sheet according to 91/155/EEC

Date / Revised: 25.11.2009

Product: **LIBREL® FE-HI**

Version: 1.0

(30483364/SDU_GEN_EU/EN)

Date of print 05.12.2009

Xn Harmful.

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.