

Safety Data Sheet

according to 2001/58/EC

LCK 321 Eisen/Iron/Fer

Print date : 19.04.2007

Product code : LCK321

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1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

LCK 321 Eisen/Iron/Fer

Use of the substance/preparation

Water analysis

Company/undertaking identification

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2. Composition/information on ingredients

Chemical characterization (preparation)

Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
200-066-2	50-81-7	Ascorbic acid	>50 %	
201-800-4	9003-39-8	Polyvidon 25	<40 %	
200-711-8	69-65-8	D(-)-Mannitol	<15 %	
223-325-1	18851-33-7	1,10-Phenanthroline chloride monohydrate	<1,5 %	N R50-53

Full text of each relevant R phrase can be found in heading 16.

3. Hazards identification

Classification

This preparation is not classified as dangerous according to Directive 1999/45/EC.
The product does not need to be labelled in accordance with EC directives or respective national laws.

4. First aid measures

General information

Take off all contaminated clothing immediately.

After inhalation

Move to fresh air.

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After contact with skin

Wash off immediately with plenty of water.

After contact with eyes

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

After ingestion

Clean mouth with water and drink afterwards plenty of water.

Advice to doctor

Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. The product itself does not burn.

Special exposure hazards arriving from substance or preparation itself, combustion products, resulting gases

Fire may liberate hazardous vapours.

Special protective equipment for fire-fighters

In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

Additional information

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. Accidental release measures

Personal precautions

Use personal protective equipment.

Environmental precautions

Do not flush into surface water or sanitary sewer system.

Methods for cleaning up/taking up

Use mechanical handling equipment.

7. Handling and storage

Handling

Advice on safe handling

Use only in well-ventilated areas.

Storage

Requirements for storage rooms and vessels

Keep in a dry, cool place.

8. Exposure controls/personal protection

Exposure limit values

Exposure controls

Protective and hygiene measures

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hand protection

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Use barrier skin cream.
Wash hands before breaks and after work.
Chemical resistant protective gloves
The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN374.

Eye protection

Safety glasses with side-shields

Skin protection

Remove and wash contaminated clothing before re-use.

9. Physical and chemical properties

General information

Physical state : solid
Colour : white
Odour : odourless

Important health, safety and environmental information

Test method

Changes in the physical state

Flash point : not applicable
Lower explosion limits : not applicable
Upper explosion limits : not applicable
completely soluble

10. Stability and reactivity

Conditions to avoid

No dangerous reaction known under conditions of normal use.

Materials to avoid

No dangerous reaction known under conditions of normal use.

Hazardous decomposition products

No decomposition if stored and applied as directed.

11. Toxicological information

Acute toxicity

No data is available on the product itself.

Specific effects in experiment on an animal

No data is available on the product itself.

12. Ecological information

Ecotoxicity

No data is available on the product itself.
Do not flush into surface water or sanitary sewer system.

13. Disposal considerations

Advice on disposal

In accordance with local and national regulations. Our local agencies will accept used cuvettes to ensure their proper disposal.

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Waste disposal number of waste from residues/unused products

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals
Classified as hazardous waste.

Waste disposal number of used product

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals
Classified as hazardous waste.

Waste disposal number of contaminated packaging

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals
Classified as hazardous waste.

14. Transport information

Land transport (ADR/RID)

Remarks (land transport)

Not subject to transport regulations.

Inland waterways transport

Remarks (inland waterways transport)

Not tested

Marine transport

Remarks (marine transport)

Not subject to transport regulations.

Air transport

Remarks (air transport)

Not subject to transport regulations.

15. Regulatory information

Labelling

Labelling according to EC-guidelines : Classification according to European directive on classification of hazardous preparations 1999/45/EC.

Additional information on EC regulations

The product does not need to be labelled in accordance with EC directives or respective national laws.

National regulations

Water contaminating class : 2 - water contaminating

16. Other information

Full text of R-phrases referred to under sections 2 and 3

- 50 Very toxic to aquatic organisms.
53 May cause long-term adverse effects in the aquatic environment.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)