

# Material Safety Data Sheet

According 1907/2006/EC



## Iper Fer Marathon

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

Product name: Iper Fer Marathon  
Iron-HBED 9%  
No pre-registration ECHA: 01-2119434848-27-0000  
Use of the substance/preparation: foliar, fertigation, soil.

#### Company/undertaking identification

Name: Van Iperen International B.V.  
Address: Smidsweg 24  
Postal code: 3273 LK  
Residence: Westmaas  
Country: The Netherlands  
Telephone no: +31(0)186-578888  
Fax no: +31(0)186-573452  
e-Mail: info@iperen.com  
reach-contact: reach@iperen.com

**Emergency telephone:** +44 (0) 870 600 6266 (UK National poisons emergency number)  
*Exclusively intended to inform doctors at accidental poisonings*

### 2. Hazards identification

#### 2.1 Classification.

No hazardous product as specified in Directive 67/548/EEC and EU-GHS/CLP No 1272/2008

#### 2.2 Labeling according to 67/548/EC Directive:

S 22 Do not breathe dust.  
S 25 Avoid contact with eyes.  
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical attention.  
S 37/39 Wear protective gloves/protective clothing/eye protection/face protection.

EU-GHS/CLP No 1272/2008

P260 Do not breathe dust.  
P305 If in eyes:  
P351 Rinse continuously with water for several minutes  
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### 3. Composition/information on ingredients

Chemical form: Fe (III) HBED,  
Iron (III) chelate of sodium salt N,N'-di(2-hydroxybenzyl)ethylenediamine-N,N'-diacetic acid

Chemical formula	No CAS	No UN	R-phrases	S-phrases
Fe (III) HBED, Iron (III) chelate of sodium salt N,N'-di(2-hydroxybenzyl)ethylenediamine-N,N'-diacetic acid	1061328-86-6	01-2119434848---27-0000	01-2119434848---27-0000	S22, 24, 26, S 37/39

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### 4. First aid measures

Health effects: Hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation.

Slightly hazardous in case of ingestion.

Inhalation:

1. Remove the victim to fresh air.
2. In such cases seek immediate medical assistance.

Ingestion:

1. Have conscious person drink several glasses of water or milk. Induce vomiting.
2. Seek medical attention.

Eye contact:

1. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used.
2. Seek medical attention.

Skin contact:

1. After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used.
2. If irritation persists, seek medical attention.

### 5. Fire fighting measures

Special risks:

When involved in fire this material may decompose and product oxides of nitrogen CO, CO<sub>2</sub>, NO<sub>x</sub> .

Suitable extinguishing medium:

According to materials stored in the immediate neighbourhood. Do not water jet.

Others: Non- flammable material.

### 6. Accidental release measures

General recommendations

The product should be handled with the care usual when dealing with chemicals.

Person-related precautionary measures:

Do not inhale dusts.

Procedures for clearing/ absorption:

Take up . Forward for disposal. Clean up affected area.

### 7. Handling and storage

Handling:

Keep away from heat, sources of ignition, and combustible materials. Keep away from incompatibles materials and organic materials.

Storage:

Tightly closed. Storage temperature: from -100C to +300C.

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### 8. Exposure controls / personal protection

Personal protective equipment:

Drogi oddechowe:	Respirator.
Hand:	The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC.
Eye:	Goggles
Skin and hand protection:	Protective clothing should be selected specifically for the working place, depending quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.
Industrial hygiene:	Change contaminated clothing. Application of skin-protective barrier cream recommended. Wash hands after working with substance.

### 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Microgranular
Colour	Light brown
Odour	Odourless
Odour threshold	Odourless
pH value 1,0 % (w/v) solution	7,0 - 9,0
Melting point / freezing point:	Not applicable
Initial boiling point and boiling range	Not applicable
Solid/gas flammability	No
Upper/lower flammability or explosive limits	No
Vapour density:	Not applicable
Flash point	2120 C
Evaporation rate	Not applicable
Vapour pressure	Not applicable
Bulk density	0,8-0,9 g/cm <sup>3</sup>
Solubility in water	34,55 g/l
Lipid solubility: Not Relevant	Not applicable
Partition coefficient (n-octanol/water):	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not applicable
Viscosity	Not applicable
Explosive properties	No
Oxidizing properties	No
Iron (Fe)	9,0 % w/w

### 10. Stability and reactivity

Conditions that cause dangerous reactions:	High temperature.
Hazardous decomposition products: NO <sub>x</sub> .	Material may decompose and product oxides of nitrogen CO, CO <sub>2</sub> ,

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### 11. Toxicological information

#### 11.1 Acute oral toxicity:

Chemical name	% w/w	Methode	Value	[ ]
Fe(III)HBED	100	LD50 Oral (rat)	>2000	mg/kg

#### 12.2 Further toxicological information:

After eye contact: Slight irritations.  
After inhalation of dust: Irritation symptoms in the respiratory tract.  
After swallowing: Nausea, vomiting.

### 12. Ecological information

No experimental ecological data are available on the preparation as such. From structurally related products the following may be expected.

#### Product:

Chemicals must be disposed of in compliance with the respective national regulations. Under [www.retrologistik.de](http://www.retrologistik.de) you will find special information on the respective national conditions as well as contact partners.

### 13. Disposal consideration

#### Packaging:

Packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system. Under [www.retrologistik.de](http://www.retrologistik.de) you will find special information on the respective national conditions as well as contact partners.

### 14. Transport information

14.1 Product name: Fe(III)HBED  
14.2 Road & Rail: ADR / RID NOT APPLIED

The transport regulations are cited according to international regulations. Possible national deviations in other countries are not considered. ( In Poland Dz.U.Nr 194, poz.1629 z 2002r.)

### 15. Regulatory information

Label information in accordance with CLP Regulation (EC) 1272/2008:

#### 2.1 Labeling according to 67/548/EC Directive:

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## *Iper Fer Marathon*

### 16. Other information

General update

*Information for the reader:*

*The information provided in this Safety Data Sheet is given in good faith and belief in its accuracy based on our knowledge of the substance/preparation concerned at the date of publication.*

*It does not imply the acceptance of any legal liability or responsibility whatsoever by the company for the consequences of its use or misuse in any particular circumstances.*

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