



SAFETY DATA SHEET
According to EC-directive 93/112/EC

DISSOLVINE D-FE-3

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product label name Diethylenetriaminepentaacetic acid, ferric disodium complex
Supplier Akzo Nobel Functional Chemicals bv
Stationsplein 4
PO Box 247
NL-3800 AE Amersfoort
Tel.: +31-334676767
Emergency telephone + 31 570679211 (Fax. + 31 570679801)
Akzo Nobel Chemicals-Deventer-NL

+ 44-1634280888
Akzo Nobel Chemicals-Gillingham-GB

Use of substance/preparation plant nutrient

2. COMPOSITION/INFORMATION ON INGREDIENTS

This product is to be considered as a preparation in conformance to EC directives
Information on hazardous ingredients

Chemical description Diethylenetriaminepentaacetic acid, ferric disodium complex

Composition / information on ingredients

Number	% w/w	CAS-number	Chemical name	
1	approx. 26	19529-38-5	Diethylenetriaminepentaacetic acid, ferric-disodium complex	
Number	EC-number	Annex-1 number	Symbol(s)	Risk-phrase(s)
1	243-136-8		none	none

Other information Balance: water

3. HAZARDS IDENTIFICATION

Not classified as hazardous according to the EEC Dangerous Substance Directive and Dangerous Preparation Directive

4. FIRST AID MEASURES

Symptoms and effects No typical symptoms and effects known.

First aid

General In all cases of doubt, or when symptoms persist, seek medical attention.
Inhalation Not likely to occur. Move to fresh air, rest, half upright position, loosen clothing.
Skin Remove contaminated clothing, wash with soap and copious amounts of water.
Eye Rinse thoroughly with plenty of water. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical advice if irritation develops.
Ingestion Rinse mouth, give water to drink. Seek medical advice after significant exposure.

Advice to physician No additional information available

5. FIRE-FIGHTING MEASURES

Extinguishing media (preferably) water

Unsuitable extinguishing media none known.

Special exposure hazards In case of fire and/or explosion do not breathe fumes.

Hazardous decomposition/combustion products Nitrous gases may be produced

Protective equipment Use self-contained respiratory equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions For personal protection see Section 8

Environmental precautions Collect as much as possible in a clean container for (preferable) reuse or disposal.

Methods for cleaning up Flush remainder with water (Absorb the remainder with e.g. vermiculite). See also Section 13.

7. HANDLING AND STORAGE

Handling The usual precautionary measures for handling chemicals should be observed

Fire and explosion prevention No specific recommendations

Storage requirements Avoid contact with: aluminium, zinc, nickel, copper and copper alloys. Store in: PVC, PE, Stainless steel, bituminized tanks.



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DISSOLVINE D-FE-3

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls	The usual precautionary measures for handling chemicals should be observed
Exposure limits	No exposure limits have been established for this material
Personal protection	
Respiratory	No specific recommendations
Hand	For permanent (>480 minutes), full contact use, 100% nitrile gloves conforming to EN 374, e.g. KCL Dermatril 740 are recommended. If used under conditions other than given above it is recommended that a supplier of CE approved gloves is contacted. These recommendations are only applicable to the chemical as supplied by Akzo Nobel; if mixed with or dissolved in other substances please contact a supplier of CE approved gloves (e.g. KCL International +49 66 59870, fax +49 6659 87155).
Eye	Wear eye/face protection
Skin and body	No specific recommendations

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	liquid (25 °C)
Colour	red brown
Odour	odourless
Boiling point/range	approx. 100 °C
Melting point/range	<5 °C (Crystallization point/range)
Flash point	none (water)
Flammability	not relevant
Autoignition temperature	not determined
Explosive properties	not relevant
Explosion limits	not relevant
Oxidizing properties	yes
Vapour pressure	same as water
Density	approx. 1275 kg/m ³
Bulk density	not relevant
Solubility in water	Completely miscible
Solubility in other solvents	not determined
pH value	pH approx. 6.0 (1 % solution)
Partition coefficient n-octanol/water	not determined
Relative vapour density (air=1)	same as water
Viscosity	not determined
Other information	decomposition temperature: approx. 100 °C (water loss).

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage and handling conditions (see section 7)
Conditions to avoid	none known
Materials to avoid	Aluminium, nickel, zinc, copper and copper alloys.
Hazardous decomposition products	Nitrous gases may be produced

11. TOXICOLOGICAL INFORMATION

No experimental toxicological data of the product as such available. From structurally related products the following may be expected;

Acute toxicity	
Oral LD50	rat: >2000 mg/kg



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12. ECOLOGICAL INFORMATION

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

Fate

Degradation Biotic Not readily biodegradable

Bioaccumulation Log Pow: <0

13. DISPOSAL CONSIDERATIONS

Product According to local regulations.

Contaminated packaging No specific recommendations.

14. TRANSPORT INFORMATION

Land transport (ADR/ RID)

ADR class	not restricted	ADR/RID item no.	not relevant / not relevant
RID class	not restricted	ADR/RID packing group	
Hazard Identification No.	none	Substance Identification No.	none
TREM-Card	not relevant	UN number	none
Proper Shipping Name	not relevant		

Sea transport (IMDG-code/ IMO)

IMO/IMDG code	not restricted	Class	not relevant
Packing group	none	UN number	none
EMS	not relevant	MFAG	not relevant
Marine pollutant	no		
Proper Shipping Name	not restricted		

Air transport (ICAO-TI/ IATA-DGR)

ICAO-TI/IATA-DGR		UN number	none
Class	not restricted	Packing group	none
Proper Shipping Name	not relevant		
Other information	Keep away from: aluminium + humidity / water		

15. REGULATORY INFORMATION

Chemical description Diethylenetriaminepentaacetic acid, ferric disodium complex

Labelling according to EC directives

EC-number not applicable

Symbol(s) none

R(isk) phrase(s) none

S(afety) phrase(s) none

Wassergefährdungsklasse 1

(WGK)

16. OTHER INFORMATION

This information only concerns the above mentioned product and does not need to be valid if used with other product(s) or in any process. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.

R-phrase information

Chemical name	Risk-phrase(s)	
Diethylenetriaminepentaacetic acid, none		NONE
ferric-disodium complex		

History

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Revision	1.02
Composed by	Dr. A.T.M. van der Steen Drs. M. Heus
Changes were made in section	1