

Soggetto a direzione e coordinamento da parte di S.I.C.IT S.p.A. iscritta al

SICIT 2000 S.p.A.

Reg. Imprese di VI al n° 01905000244

A S.I.C.IT. S.p.A. GROUP COMPANY

Capitale soc. int. vers. Euro 8.366.602.=

Via Arzignano, 80 -36072 CHIAMPO (Vicenza) -Italia

Registro delle Imprese di Vicenza

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SAFETY DATA SHEET

according to 2001/58/CE

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

1.1 Identification of the substance or preparation:

Commercial product name: MICROFERT

Commercial code: COMW14C

Aspect: amber coloured liquid

1.2 Use of substance/preparation:

Foliar fertilizer.

1.3 Company/undertaking identification:

Manufacturer name and address: SICIT 2000 S.p.A., Via Arzignano 80, I-36072 CHIAMPO (VI)

Phone: tel +39 444 450946 fax +39 444 677180

1.4 Emergency telephone:

+39 444 450946 SICIT 2000 S.p.A. Via Arzignano 80, I-36072 Chiampo (VI)

2. COMPOSITION/INFORMATION ON INGREDIENTS

2.1 Composition:

Amino acids and peptides mixture containing iron sulfate, manganese sulfate, boric acid, zinc sulfate, cobalt sulfate, ammonium molybdate.

2.2-2.3 Dangerous substances:

1,0% w/w iron sulfate eptahydrate Xn CAS number 7782-63-0 characterized by R 22-41,

0,3% w/w manganese sulfate monohydrate Xn N CAS number 10034-96-5 characterized by R 48/20/22-51/53,

0,3% w/w boric acid Xn CAS number 10043-35-3 characterised by R 62-63-36/37/38,

0,045% w/w zinc sulfate eptahydrate Xi, N CAS number 7446-20-0 characterised by R 36/38-50/53,

0,05% w/w cobalt sulfate eptahydrate T, N CAS number 10026-24-1 characterised by R 49-22-42/43-50/53,

0,01% w/w ammonium molybdate tetrahydrate Xi CAS number 12054-85-2 characterised by R 36/37/38 -52/53.

2.4 Classification:

The preparation is not dangerous according to the concentration limits reported in the Directive 1999/45/CE.

3. HAZARDS IDENTIFICATION

The absence of an hazard symbol does not mean that a substance is harmless. The normal safety precautions for handling chemicals should be always be observed. No toxic effects are expected if the product is handled and used in a correct way. Prudentially avoid a contact with skin, eyes and avoid breathing aerosol. Avoid accidental ingestion for the presence of microelements salts.

4. FIRST-AID MEASURES

After inhalation:

In case leave danger area and provide for fresh air and seek medical device.

After skin contact: Wash off with clean water.

After eye contact: Rinse for with copious quantities of clean water keeping the eyelids well open in order to assure an adequate rinsing and seek medical advice.

After swallowing: Rinse out the mouth with copius quantity of water and seek medical advice.

5. FIRE-FIGHTING MEASURES

The product is not inflammable.

5.1 Suitable estinguishing media:

Take into account the materials present in its vicinity.

5.2 Not suitable estinguishing media:

None known.

5.3 Particular hazard:

In case of fire due to nearby materials, the product could emit pungent and stifling smokes.

5.4 Special personal protective equipment:

Use auto-respirator and suitable protective clothing.

5.5 Further information:

Avoid to flush the water used to extinguish the fire in surface-water.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautionary measures:

Obey reasonable safety precautions and practise according to good hygiene and manufacturing procedures,

using suitable protective clothing, gloves and safety glasses taking precautionary measures to avoid the forming of aerosol.

6.2 Environment precautionary measures:

Collect the product for the re-use how much is possible and limitate the pouring area; wash with water and collect into sewage facilities that feed a waste water treatment plant or into a container for disposal and dispose in accordance with Federal, State and Local laws.

6.2 Methods for cleaning up:

Wash with water.

7. HANDLING AND STORAGE

7.1 Handling:

Obey reasonable safety precautions and practise according to good hygiene and manufacturing procedures.

taking precautionary measures to avoid the contact with eyes and skin.

7.2 Storage:

Store the product in clean and suitable sealed containers in suitable places in order to maintain unchanged the original characteristics of the product.

7.3 Specific uses:

There are no particular rules to follow.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Obey reasonable personal safety precautions using protective glasses and suitable gloves and clothes; practise according to good industrial hygiene and manufacturing procedures.

9. PHYSICO AND CHEMICAL PROPERTIES

Appearance: amber coloured liquid

Organic nitrogen content: 7 % w/w

Organic carbon content: 22 % w/w

Density: 1,26 g/mL

Solubility in water: total

pH: 6-7 for 10% p/p solutions

Iron content: 0,2 % w/w

Manganese content: 0,1 % w/w

Boron content: 0,05 %w/w

Zinc content: 0,01 % w/w

Cobalt content: 0,01 % w/w

Molybdenum content: 0,05 % w/w

10. STABILITY AND REACTIVITY

The product does not contain preservatives and it is stable if stored undiluted in closed and clean containers

and handled in the suggested conditions. A slight sediment may be present without prejudicing the quality of the product.

10.1 Conditions to be avoided:

Avoid the product storage in open containers and stock the product avoiding temperature > 30°C and < 4°C for the difficult handling due to the increased viscosity.

10.2 Material to be avoided:

Strong oxidizing agents for the possibility to realize exothermic reaction.

10.3 Hazardous decomposition products:

None known.

11. TOXICOLOGICAL INFORMATION

Data relative to acute toxicity, skin irritation and sensitization referred to the product are not available.

The product is classified as not dangerous according to the concentration limits reported in the Directive

1999/45/CE. The presence of microelements salts must be taken into account.

12. ECOLOGICAL INFORMATION

The product is used as fertilizer and consequently does not cause negative transformations in the environment if it is used following the suggested dosages and the suggested conditions.

12.1 Ecotoxicity:

Data relative to aquatic toxicity are not available.

12.2 Mobility:

The product if present in copious quantities can pollute ground and surface water: it is necessary to follow

good practise procedures preventing the dispersion of the concentrated product from penetrating into ground and surface waters.

12.3 Persistence and degradability:

Only the organic substance contained in the product is completely biodegradable.

12.4 Bioaccumulative potential:

Not pertinent in relation to the use of this product..

12.5 Other adverse effects:

Reasonably the negative effects on the environment are related to a non correct use of the product.

13. DISPOSAL CONSIDERATIONS

13.1 Product:

Act according to Federal, State and Local laws prescriptions.

13.2 Packaging:

Act according to Federal, State and Local laws prescriptions.

The packaging must be handled with the same care used for the product.

14. TRANSPORT INFORMATION

The product is not subjected to specific indications.

15. REGULATORY INFORMATION

The product is labelled according to the existing laws.

Precautions of use:

Do not breathe aerosol.

Avoid the contact with eyes and skin.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of contact with skin, rinse immediately with plenty of water.

Wear suitable protective clothing, gloves and eye protection.

If swallowed, seek medical advice immediately and show this container and label.

16. OTHER INFORMATION

The statements submitted in this safety data sheet is based on our current knowledge and experience, as

accurate and complete as possible, but they are given in good faith and for information only.

It is the responsibility of those to whom we supply our products to ensure that the information are appropriate and complete according to product utilization and according to the existing laws and legislation.

This product should be stored, handled and used in accordance with good hygiene practice and in accordance with any legal regulation.

The data given here do not signify any warranty with regard to the product properties.

This safety data sheet cancels and replaces any previous information.

Risk phrases reported in section 2 :

R 20: Harmful by inhalation

R 22: Harmful if swallowed

R 36: Irritating to eyes

R 37: Irritating to respiratory system

R 38: Irritating to skin

R 41: Risk of serious damage to eyes

R 42/43: May cause sensitization by inhalation and skin contact

R 48: Danger of serious damage to health by prolonged exposure.

R 49: May cause cancer by inhalation.

R 50/53: Very toxic to aquatic organism, may cause long term adverse effects in the aquatic environment.

R 51/53: Toxic to aquatic organism, may cause long term adverse effects in the aquatic environment.

R 52/53 Harmful to aquatic organism, may cause long-term adverse effects in the aquatic environment.

R 62: Possible risk of impaired fertility.

R 63: Possible risk of harm to the unborn child.