



MATERIAL SAFETY DATA SHEET

1 IDENTIFICATION

Product Details:

Trade name: *Ferropol Fe*

Supplier : *A.Shitzer ltd – Smadar*

Catalog nu : *DUP 999 – Ferrous Chelate solution for fertigation in soil systems..*

2 .COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous ingredients:

Component	Content
HAA – α Hydroxyaceticacid	15-25 %
CAS # 79-14-1	

3 HAZARDS IDENTIFICATION

Hazard description



Xi Irritant R 41 Risk of damage to eyes.

R 22 Harmful if swallowed

Classification system

The classification was made according to the latest editions of the EU-lists, and expanded upon from company literature data.

4. FIRST AID MEASURES

General Advice: *Never give anything by mouth to an unconscious person.*

Eye contact : *Rinse thoroughly with plenty of water for at least 15 minute consult a physician. Keep eye wide open while rinsing.*

Skin contact : *Wash off immediately with plenty of water. Take off all contaminated clothing immediately. Consult a physician after significant exposure.*

5 FIRE FIGHTING MEASURES

Suitable extinguishing Agents: *CO₂, extinguishing powder, or water spray,*

Special hazard caused by the material , its products of combustion or resulting gases:

Carbon monoxide(CO)

Carbon dioxide (CO₂)

Phosphoric Oxide

Phosphine (PH₃)

Fire Protective equipment

Wear fully protective suit

Mount respiratory protective device.

6. ACCIDENTAL RELEASE MEASURES

Personal precaution : *Use personal protective equipment.*

Environmental precautions : *Don't flush into surface water \ consult local regulation.*

Method for cleaning up : *Neutralize with neutralizing agent, Soda Ash - soak up with inert absorbent material. Shovel into suitable container for disposal. Flush with plenty of water.*





7. HANDLING AND STORAGE:

Technical measures : Provide sufficient air exchange in work rooms.

Safe handling : Avoid contact with skin, eyes, clothing.

Do not breathe vapors or spray mist. Use personal protective equipment.

Storage : Store in original container. Keep container tightly closed in a dry and well ventilated place.

8. EXPOSURE CONTROLS

Componants with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that Have to be monitored at the workplace.

Personal protective equipment:

Eye protection : Tightly fitting safety goggles.

Hand protection : Rubber gloves

Skin and body protection: Were as appropriate

9. PHYSICAL AND CHEMICAL DATA

Form : Liquid \ clear dark amber solution

Color : typical dark brown clear

Odor : Characteristic

pH 1% solution - 2.5 - 3 (20°C)

Boiling Point\range - 105 °C Vapor Density - Vapor is water

Specific Gravity (H₂O = 1) - 1.15 -1.3 (20°C)

Flash point: - does not ignite

Solubility in water - Fully Miscible

Explosive properties - no data available

10 STABILITY AND REACTIVITY:

Stability: No decomposition if used as directed

Materials to avoid: Alkali metals, Oxidizing agents, cyanides, sulfides.

11. TOXICOLOGICAL INFORMATION:

Acute toxicity: LC50 \ inhalation₄ \ h rat = 6 mg\l.

LD 50 \ oral \ rat = 1938 mg\kg

Eye contact \ rabbit: \ corrosion

Skin contact : irritation, burns

Sensitization: No sensitizing effects known.

12 ECOLOGICAL INFORMATION

:Aquatic toxicity: LC 50\ 96h\ Fish = 164 mg\l

Persistence and degradability : Readily biodegradable , according to appropriate OECD tests.





13. DISPOSAL CONSIDERATIONS

Recommendation:

After prior treatment product can be neutralized and disposed of as waste water
Adhering to the local regulations for safe disposal..

Un cleaned packaging:

Recommendation:

Contaminated packaging should be emptied thoroughly. They can be recycled after
Through and proper cleaning.

Recommended cleansing agent: Water ,if necessary with cleansing agents.

14. TRANSPORT INFORMATION

Land transport ADR/RID (CROSS-BORDER)

ADR/RID class: 8 corrosive substances

Danger code (Kemler) : 80/3265

UN.NO.: 3265

Label : 8

Description of goods: 3265 corrosive liquid,acidic,organic,n.o.s.(α Hydroxyaceticacid)

Maritime transport IMDG:

Imdg class: 8

UN NO: 3265

Label: Corrosive

Packaging group: II

EMS Number: MFAG 760 ,8-15

AIR TRANSPORT ICAO-TI and IATA-DGR:

ICAO/IATA/ Class: 8

UN/ID Number: 3265

Label: Corrosive

Packaging group: II

Proper shipping name: corrosive liquid,acidic,organic,n.o.s(α Hydroxyaceticacid)

15.REGULATIONS

Code letter and hazard designation of product:

Xi irritant

Hazard-determining components of labeling:

Hydroxyacetic acid (α Hydroxyaceticacid)

Risk Phases:

41 risk of serious damage to eyes.

R 22 Harmfull if swallowed.

Safety phrases

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

16. Other Information :

This information provided in this MSDS is correct to the best of our present knowledge,
Information and belief at the date of its publication . The information given is designed only
As a guidance for safe handling, use processing , storage transportation , disposal and release and



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is not to be considered a warranty or quality specification.

Relevant R – Phrases

10 Flammable

22 Harmful if swallowed.

35 Causes severe burns

41 Risk of serious damage to eyes.

Update Feb 2004



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