

SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

1.1 Name of Preparation:

Ilex Enviro-Sciences Mn-Cu-Plus

1.2 Intended Use:

As a professional use fertiliser

1.3 Supplier Details:

**ILEX ENVIROSCIENCES LIMITED
PO Box 158
Market Rasen
Lincolnshire
LN8 3QL**

Contact: The Safety Officer

Telephone: 01673 885175

2. INFORMATION ON INGREDIENTS

THIS PREPARATION IS CLASSIFIED AS DANGEROUS UNDER DIRECTIVE 2001/59/EC

2.1 Composition:

Product code: RL432A & L134A

Hazardous Components -

Manganese Sulphate	CAS 7785-87-7	Xn; N; R20/22; R48; R51/53
Manganese Nitrate	CAS 10377-66-9	O; C; R8; R34; R41
Copper Sulphate Pentahydrate	CAS 7758-99-8	Xn; N; R22; R36/38; R50/53

3. HAZARDS IDENTIFICATION

3.1 Classification of Preparation:



HARMFUL



DANGEROUS FOR THE ENVIRONMENT

3.2 Primary Hazards:

DANGER OF SERIOUS DAMAGE TO HEALTH BY PROLONGED EXPOSURE IF SWALLOWED.

IRRITATING TO SKIN & EYES

RISK OF SERIOUS DAMAGE TO EYES

TOXIC TO AQUATIC ORGANISMS; MAY CAUSE LONG TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

4. FIRST AID MEASURES

4.1 Any special measures:

None

4.2 Inhalation:

Remove from source of exposure to fresh air; may cause irritation; seek medical attention.

4.3 Skin & eye exposure:

Rinse immediately with plenty of water. Seek medical advice.

Eyes: irrigate with copious amounts of clean water for at least 10 minutes. Seek medical advice

4.4 Ingestion:

Seek medical advice.

5. FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media:

Water, dry powder & carbon dioxide

5.2 Unsuitable extinguishing media:

As appropriate for surrounding fire

5.3 Special hazards, combustion or by products:

Contact with combustible material may cause fire

5.4 Protective clothing for fire fighting:

Suitable protective clothing and breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions:

Prevent contact with skin or eyes; use coveralls and chemical resistant gloves, with eye protection as necessary.

6.2 Environmental precautions:

Do not wash excessive spillages into water courses. If this product enters water course or sewer (including via contaminated soil & vegetation) contact local agency and/or police immediately. Do not burn.

6.3 Clean & disposal methods:

Use soil, sand or other absorbent material. Contact specialist waste disposal contractor.

7. HANDLING AND STORAGE

7.1 Practical precautions & engineering controls for safe handling:

Open container with care to avoid splashes.

7.2 Conditions and quantity limits for safe storage:

Store in a cool, dry atmosphere in original, labelled containers. Keep away from combustible materials. Refer to manufacturer for maximum safe stacking height

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure limit values:

Not determined for product

Long term [8 hrs TWA] WEL for Mn compounds set at 0.5mg/m³ under EH40/2005

8.2 Occupational exposure controls:

Ensure suitable engineering controls for measuring and decanting of product prior to mixing.

8.3 Personal Protective Equipment:

Primary Hazard considered as handling of concentrate.

Gloves: BS EN374 – chemical protection: physical barrier protection only;

Eye Protection : goggles/face shield to BS EN166.

Respirator: BS approved protection device with P3 filter

9. PHYSICAL AND CHEMICAL PROPERTIES

9.01 Appearance: liquid

9.02 Odour: not specified

9.03 pH: c2

9.04 Boiling point/range: not applicable

9.05 Flash Point/Flammability: not classified as flammable

9.06 Explosive properties: not classified as explosive

9.07 Oxidising properties: not classified as oxidising

9.08 Vapour pressure: not applicable

9.09 Relative Density: 1.66 – 1.73

9.10 Solubility: not specified

9.11 Partition coefficient: not specified

9.12 Viscosity: not specified

9.13 Vapour density: not specified

9.14 Evaporation rate: not specified

10. STABILITY AND REACTIVITY

10.1 Materials to avoid:

Combustible materials, oxidisers & acids.

10.2 Conditions to avoid:

Stable under normal conditions

10.3 Hazardous decomposition products:

Irritant fumes

Toxic & Corrosive nitrous vapours may be emitted on heating.

11. TOXICOLOGICAL INFORMATION

The Preparation has not been assessed at all for this end-point, so its hazardous property in this regard is not known.

12. ECOLOGICAL INFORMATION

Classified as harmful to the environment.

12.1 Ecotoxicity:

No specific data available

12.2 Mobility:

No specific data available

12.3 Persistence & degradability:

No specific data available

12.4 Bioaccumulative potential:

This product is not considered to bioaccumulate.

13. DISPOSAL CONSIDERATIONS

13.1 Disposal of used preparation:

Dispose in accordance with local regulations via specialised waste contractor.

13.2 Disposal of packaging:

Use specialist waste contractor in accordance with local regulations. Do not remove labels from containers.

14. TRANSPORT INFORMATION

ROAD

Proper Shipping Name; Environmentally Hazardous
Substance, Liquid, n.o.s. (Copper Sulphate)
Classification; 9
UN Number; UN3082
Packing Group; III
Transport Category; 3

SEA

Proper Shipping Name; Environmentally Hazardous
Substance, Liquid, n.o.s. (Copper Sulphate)
Classification; 9
UN Number; UN3082
Packing Group; III
Marine Pollutant; P

AIR

Proper Shipping Name; Environmentally Hazardous
Substance, Liquid, n.o.s. (Copper Sulphate)
Classification; 9
UN Number; UN3082
Packing Group; III

15. REGULATORY INFORMATION

This preparation is classified and labelled in accordance with both regulation 2001/59/EC and The Fertiliser Regulations 1991.

S36: Wear suitable protective clothing

S57: Use appropriate containment to avoid environmental contamination

16. OTHER INFORMATION

**R48 with R22: DANGER OF SERIOUS DAMAGE TO HEALTH BY
PROLONGED EXPOSURE IF SWALLOWED**

R36/8: IRRITATING TO SKIN & EYES

R41: RISK OF SERIOUS DAMAGE TO EYES

**R51-53: TOXIC TO AQUATIC ORGANISMS & MAY CAUSE LONG – TERM
ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT**

Compiled using data submitted for raw materials and practical experience.

This product is intended for professional users only.

This Safety Data Sheet is prepared in compliance with Directive 2001/59/EC.

THE INFORMATION GIVEN HEREIN IS, TO THE BEST OF OUR KNOWLEDGE, CORRECT AND IS
PRESENTED IN GOOD FAITH BUT NO WARRANTY, EXPRESSED OR IMPLIED IS GIVEN.

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