

SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

1.1 Name of Preparation:

Ilex Mn-Plus

1.2 Intended Use:

As a professional use fertiliser

1.1 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: RL431A & L119D

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

3. HAZARDS IDENTIFICATION

3.1 Classification of Preparation:



HARMFUL



DANGEROUS FOR THE ENVIRONMENT

3.2 Primary Hazards:

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: pink viscous 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: 1.75 – 1.82

9.10 Solubility: not specified

9.11 Partition coefficient: not specified

9.12 Viscosity: 1000 – 4000cps

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. (Manganese Sulphate)
Classification; 9
UN Number; UN3082
Packing Group; III
Transport Category; 3

SEA

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

AIR

Proper Shipping Name; Environmentally Hazardous
Substance, Liquid, n.o.s. (Manganese 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

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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