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

Product information
Commercial Product Name
Magnesium Acetate tetrahydrate
Reach Registration number:
01-2119991992-18

Use of the Substance/Mixture
Catalyst
Pharmaceuticals

Company/Undertaking Identification
Niacet b.v.
P.O. Box 60
4000 AB Tiel
NETHERLANDS
Telephone +31 344-615224, Telex. +31 344-611475
Tiel@Niacet.nl

Niacet Corporation
400 47th Street
Niagara Falls, NY
14304 U.S.A.
Telephone +1 716-285-1474 Telefax +1 716-285-1497
niacetcsr@niacet.com

Emergency telephone
For Niacet b.v. Tiel, The Netherlands products: +31 344-615224
For Niacet Corporation, Niagara Falls, U.S.A. products: (800) 424 9300, (202) 483-7616

2. HAZARDS IDENTIFICATION

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components
Contains no hazardous ingredients according to EC directives or respective national laws.

Further information
Magnesium acetate tetrahydrate (CAS: 16674-78-5, EINECS: 205-554-9)

4. FIRST AID MEASURES
Inhalation
Move to fresh air. Keep patient warm and at rest. In case of feeling unwell consult a physician.

Skin contact
Rinse with water.

Eye contact
Rinse with plenty of water. If symptoms persist, call a physician.

Ingestion
Rinse mouth with water. Obtain medical attention.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Water spray, Foam, Dry chemical, Carbon dioxide (CO2)

Extinguishing media which shall not be used for safety reasons
None.

Specific methods
The product is flammable but not readily ignited.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Use personal protective equipment. For personal protection see section 8.

Environmental precautions
Try to prevent the material from entering drains or water courses.

Methods for cleaning up
Take up mechanically and collect into suitable containers for disposal. After cleaning must be rinsed with plenty of water.

7. HANDLING AND STORAGE

Handling
Avoid contact with skin, eyes and clothing. Keep container closed when not in use.

Storage
Keep tightly closed in a dry and cool place. Store in original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limit Values

Exposure controls

Occupational exposure controls
Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

Respiratory protection
Respirator must be worn if exposed to dust. Respirator with a dust filter

Hand protection
Glove material: PVC
Glove material: Rubber gloves
SAFETY DATA SHEET
Magnesium Acetate tetrahydrate

Eye protection
Tightly fitting safety goggles.

Skin and body protection
Work clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information (appearance, odour)
- Physical state: solid, crystalline
- Colour: white
- Odour: odourless

Important health safety and environmental information
- pH: 7 - 10 (5%)
  (as aqueous solution)
- Flash point: no data available

Explosive properties:
- Lower explosion limit: no data available
- Upper explosion limit: no data available

Solubility:
- Water solubility: 1.200 kg/m³ (15 °C)

Other data
- Thermal decomposition: 135 °C
- Melting point/range: 80 °C

10. STABILITY AND REACTIVITY

Conditions to avoid
- Stable under normal conditions. The product is hygroscopic.
- Thermal decomposition: 135 °C

11. TOXICOLOGICAL INFORMATION

Acute toxicity
- no data available

Irritation and corrosion
- Skin:
  Not classified as irritating for skin.
- Eyes:
  Not classified as irritating for eyes.
Sensitisation

no data available

Long term toxicity

Other information

no data available

Human experience

Inhalation
Exposure to dust at high concentrations,
May cause irritation of the mucous membranes. May cause irritation of respiratory tract.

Skin contact
Repeated or prolonged exposure,
May cause mild irritation.

Eye contact
May cause mild irritation.

Ingestion
Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Aquatic toxicity

no data available

Toxicity to other organisms

no data available

Mobility

Water solubility: 1.200 kg/m³ (15 °C)

Water soluble. Stays in water phase. non-volatile

Persistence and degradability

Biological degradability:

Readily biodegradable

Bioaccumulative potential

no data available

Other adverse effects
13. DISPOSAL CONSIDERATIONS

Product
Dispose of in compliance with local and national regulations.

14. TRANSPORT INFORMATION

UN-Number
Not classified as dangerous in the meaning of transport regulations.

Packing group
Not classified as dangerous in the meaning of transport regulations.

Land transport

Sea transport
Not classified as dangerous in the meaning of transport regulations.

Air transport
Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Information on the warning label
Symbol(s)

Hazardous components which must be listed on the label

Other information
The product does not need to be labelled in accordance with EC directives or respective national laws.

16. OTHER INFORMATION

Text of R-phrases mentioned in Section 3
Training advice

Restrictions on use

Further information
The information provided in this Safety Data Sheet is correct to the best of our 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 is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Sources of key data used to compile the Safety Data Sheet
Regulations, databases, literature, own tests.
Additions, Deletions, Revisions
Relevant changes have been marked with vertical lines.