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

1.1 Product information

Commercial Product Name
Sodium Acetate anhydrous

Registration number:
01-2119485123-42 (NL10)

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture
Food additive
Pharmaceuticals
Catalyst
Detergent additive
Preservative
Recommended restrictions on use
Reserved for industrial and professional use.

1.3 Details of the supplier of the safety data sheet

Niacet b.v.
P.O. Box 60
4000 AB Tiel
NETHERLANDS
Telephone +31 344-615224, Telefax +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

1.4 Emergency telephone number

For Niacet b.v. Tiel, The Netherlands products: +31 344-615224
For Niacet Corporation, Niagara Falls, U.S.A. products: +1 (800) 424 9300, +1 (202) 483-7616

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EU) 1272/2008 (CLP)
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Classification according to EU Directives 67/548/EEC or 1999/45/EC
Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.
2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.3 Other hazards

Eyes; May irritate eyes.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Remarks : Contains no hazardous ingredients according to EC directives or respective national laws.

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation
Remove 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.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : May cause eye irritation.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treatment : No information available.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Extinguishing media : Water spray
Foam
Dry chemical
Carbon dioxide (CO2)
5.3 Special protective actions for fire-fighters
In the event of fire, wear self-contained breathing apparatus. Splashproof protective suit.

5.4 Specific methods
The product is flammable but not readily ignited.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. For personal protection see section 8.

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

6.3 Methods and materials for containment and cleaning up
Sweep up and shovel into suitable containers for disposal. Smaller spills can be flushed away with plenty of water to remove the product.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Keep container closed when not in use. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities
Keep tightly closed in a dry and cool place. Store in original container.
Materials to avoid:
no data available

7.3 Specific end uses
Food additive, Additive, Preservative, Pharmaceutical, De-icing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure Limit Values

8.2 Exposure controls

8.2.1 Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. In case of insufficient ventilation, wear suitable respiratory equipment. Ensure that eyewash stations and safety showers are close to the workstation location.

8.2.2 Individual protection measures, such as personal protective equipment
Hand protection
Glove material: PVC
Glove material: Rubber gloves

Eye protection
Chemical resistant goggles must be worn.
Skin and body protection
Work clothing.
Respiratory protection
Respirator must be worn if exposed to dust.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

General Information (appearance, odour)
Physical state          solid, powder, granules
Colour               white
Odour              odourless

Important health safety and environmental information
pH                         8 - 9 (10 g/l)
Melting point/range       324 °C
Flash point              > 250 °C (open cup)
Flammability (solid, gas) The product is not flammable. (Flammability (solids)) does not ignite
Dust explosion description number Kst: 7.6 m·b·s
Minimum ignition energy 20 - 30 kJ

Explosive properties:
Lower explosion limit no data available
Upper explosion limit no data available
Density
1.520 kg/m³
320 - 470 kg/m³loose
1.53 g/cm³ (20 °C)Expert judgement and weight of evidence determination.

Solubility(ies):
Water solubility
505 kg/m³ (25 °C)
1.702 kg/m³ (100 °C)
1.250 g/l (25 °C)
Expert judgement and weight of evidence determination.

Partition coefficient: n-octanol/water
Autoignition temperature
log Pow: -3.72 (calculated (EPI Suite V4.0))
607 °C
Expert judgement and weight of evidence determination.

9.2 Other data

10. STABILITY AND REACTIVITY

10.1 Reactivity
No dangerous reaction known under conditions of normal use.

10.2 Chemical stability
Stable under normal conditions.
10.3 Possibility of hazardous reactions
Hazardous reactions : None known.

10.4 Conditions to avoid
Conditions to avoid : Stable under recommended storage conditions. The product is hygroscopic.

10.5 Incompatible materials
Materials to avoid : no data available

10.6 Hazardous decomposition products
Hazardous decomposition products : no data available

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Acute toxicity
LD50/Oral/rat: 3.530 mg/kg

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., Symptoms: Irritation

Skin contact
Repeated or prolonged exposure,
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12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity effects

Aquatic toxicity

no data available

Toxicity to other organisms

no data available

12.2 Persistence and degradability

Biological degradability:

Readily biodegradable

12.3 Bioaccumulative potential

Bioaccumulation is unlikely.
Partition coefficient: n-octanol/water: log Pow: -3,72 (calculated (EPI Suite V4.0))

12.4 Mobility in soil

Mobility

Water solubility: 505 kg/m³ (25 °C)
1.702 kg/m³ (100 °C)
1.250 g/l (25 °C)

Water soluble. Stays in water phase. non-volatile

12.5 Results of PBT and vPvB assessment

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

12.6 Other adverse effects

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Dispose of in compliance with local and national regulations.
14. TRANSPORT INFORMATION

14.1 UN number
Land transport
Not classified as dangerous in the meaning of transport regulations.

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

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

14.6 Special precautions for user
Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Water contaminating class: WGK 1 slightly water endangering
(Germany) 367

15.2 Chemical Safety Assessment
A Chemical Safety Assessment has been carried out for this substance.

16. OTHER INFORMATION

Training advice
Read the safety data sheet before using the product.

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.