SAFETY DATA SHEET

Sodium Propionate

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

1.1 Product information

Commercial Product Name
Sodium Propionate

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

Use of the Substance/Mixture
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
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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: (800) 424 9300, (202) 483-7616

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

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
Labeling according to EC Directives (1999/45/EC)

Further information: The product does not need to be labeled in accordance with EC directives or respective national laws.

2.3 Other hazards

Remarks: None known

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 mild 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)

5.2 Special hazards arising from the substance or mixture

In case of fire hazardous decomposition products may be produced such as: sodium oxide
5.3 Special protective actions for fire-fighters
In the event of fire, wear self-contained breathing apparatus. Splash proof protective suit.

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.

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure Limit Values
Contains no substances with occupational 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, odor)

Physical state           solid, powder, granules
Color                     white
Odor                      odorless

Important health safety and environmental information

pH                        8 – 9.5 (10 g/l)
Melting point/range       210 °C
Flash point               > 250 °C (PMCC)
Flammability (solid, gas) The product is not flammable. (Flammability (solids))
Dust explosion description number Kst:  55 m.b./s
Minimum ignition energy   0.1 - 10 kJ

Explosive properties:
  Lower explosion limit   no data available
  Upper explosion limit   no data available
Density                   1.520 kg/m³
                           300 - 600 kg/m³

Solubility(ies):
  Water solubility       995 kg/m³ (20 °C)
                           1.270 kg/m³ (80 °C)

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: 5.600 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. May cause irritation of the mucous membranes.
   May cause irritation of respiratory tract.
   Skin contact
   Repeated or prolonged exposure, may cause mild irritation
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.

12.4. Mobility in soil

Mobility

Water solubility: 995 kg/m³ (20 °C)
1.270 kg/m³ (80 °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

None known

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)

Notification status
EINECS : Update: 1990-06-15
Listed Notification number: 2052904

15.2 Chemical Safety Assessment
not required

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.