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

Product information

Commercial Product Name
Provian A®

Use of the Substance/Mixture
Meat preservative.

Company/Undertaking Identification

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

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.

4. FIRST AID MEASURES

Inhalation
Remove to fresh air. Keep patient warm and at rest. In case of feeling unwell consult a physician.

Skin contact
Wash off with plenty of water.

Eye contact
Rinse thoroughly with plenty of water, also under the eyelids. 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)

Specific hazards during fire fighting
Burning produces irritant fumes.

Special protective equipment for fire-fighters
In the event of fire, wear self-contained breathing apparatus. Splashproof protective suit.

Specific methods
Standard procedure for chemical fires.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Avoid contact with eyes. 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
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

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

Storage
The product is hygroscopic. Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.
Storage stability:
Storage period 2 yr
Other data Stable under recommended storage conditions.

8. EXPOSURE CONTROLS/PERSOAL PROTECTION

Exposure Limit Values
Contains no substances with occupational exposure limit values.

Exposure controls

Occupational exposure 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.

Respiratory protection
Respirator must be worn if exposed to dust.

Hand protection
Glove material: PVC
Glove material: Rubber gloves
Eye protection
Chemical resistant goggles must be worn.

Skin and body protection
Work clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

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

Important health safety and environmental information
pH: 7 - 9 (10%)
Flash point: > 250 °C
Explosive properties:
Lower explosion limit: no data available
Upper explosion limit: no data available

Solubility:
Water solubility: ca. 900 g/l (25 °C)

Other data

10. STABILITY AND REACTIVITY

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

Hazardous decomposition products
carbon oxides (COx)

11. TOXICOLOGICAL INFORMATION

Acute toxicity
LD50/Oral/rat: > 2.000 mg/kg

Irritation and corrosion
Eyes:
May cause eye irritation with susceptible persons.

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,
  May cause mild irritation.
Eye contact
- May cause mild irritation.
Ingestion
- Symptoms: Abdominal pain, vomiting

12. ECOLOGICAL INFORMATION

Ecotoxicity effects
Aquatic toxicity
- no data available

Toxicity to other organisms
- no data available

Mobility
- Water solubility: ca. 900 g/l (25 °C)
- Water soluble.

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
Packing group
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.

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 labeled in accordance with EC directives or respective national laws.

16. OTHER INFORMATION

Text of R-phrases mentioned in Section 2
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.