SAFETY DATA SHEET

Ammonium Acetate solution 50%

Product information

**Commercial Product Name**
Ammonium Acetate solution 50%

**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 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

**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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical nature**
Ammonium acetate (CAS: 631-61-8, EINECS: 211-162-9)

4. FIRST AID MEASURES

**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**
Use extinguishing measures that are appropriate to local circumstances and the surrounding
environment.

Extinguishing media which must 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
Keep container closed when not in use. Avoid contact with skin, eyes and clothing.

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.

Respiratory protection

Hand protection
Glove material: PVC
Glove material: Rubber gloves

Eye protection
Tightly fitting safety goggles.

Skin and body protection
Work clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information (appearance, odour)
Physical state: liquid, Aqueous solution
Colour: colourless, yellow
Odour: mild, ammoniacal

Important health safety and environmental information
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Ammonium Acetate solution 50%

Ref. 40001/2.0/REG_EU/EN

Revision Date: 05.02.2014  Previous date: 12.06.2013  Print Date: 05.02.2014

pH
Flash point

Explosive properties:
Lower explosion limit
Upper explosion limit

Density
Solubility:
Water solubility

Other data:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>pH</td>
<td>6 - 7 (10%)</td>
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<tr>
<td>Flash point</td>
<td>no data available</td>
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<tr>
<td>Lower explosion limit</td>
<td>no data available</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>no data available</td>
</tr>
<tr>
<td>Density</td>
<td>1.090 kg/m³ (20 °C)</td>
</tr>
<tr>
<td>Water solubility</td>
<td>soluble</td>
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</tbody>
</table>
SAFETY DATA SHEET

Ammonium Acetate solution 50%

10. STABILITY AND REACTIVITY

Conditions to avoid
- Stable under normal conditions.
- Thermal decomposition 90 °C

Hazardous decomposition products
- Heating can release hazardous gases: acetic acid, ammonia

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.

Sensitization
- no data available

Long term toxicity
- Other information
  - no data available

Human experience
- 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
SAFETY DATA SHEET

Ammonium Acetate solution 50%

Aquatic toxicity

no data available

Toxicity to other organisms

no data available

Mobility

Water solubility: 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-No.

Packing group

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 2
Training advice

Recommended restrictions

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 datasheet
Regulations, databases, literature, own tests.

Additions, Deletions, Revisions
Relevant changes have been marked with vertical lines.