

Animo Ontkalkingsmiddel

Version: 2 / GB Replaces Version: 1 / GB Date revised: 30.11.2015

Print date: 30.11.15

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

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

Use of the substance/preparation

Washing and cleaning products (including solvent based products)

1.3. Details of the supplier of the safety data sheet

Address:

Animo B.V.
Postbus 71
NL-9400 AB Assen
Telephone no. +31 (0)592 376376
Fax no. +31 (0)592 341751
www.animo.eu

E-mail address of person responsible for this SDS:

pkroon@animo.nl

1.4. Emergency telephone number

GBK/ Infotrac: (USA domestic) 1 800 535 5053 or international +1 352 323 3500

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

| | |
|-------------------|------|
| Skin Irrit. 2 | H315 |
| Eye Irrit. 2 | H319 |
| Aquatic Chronic 3 | H412 |

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Warning

Hazard statements

| | |
|------|--|
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H412 | Harmful to aquatic life with long lasting effects. |

Precautionary statements

| | |
|------|--|
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |

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P302+P352
P305+P351+P338

IF ON SKIN: Wash with plenty of soap and water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313

If eye irritation persists: Get medical advice/attention.

Dispose only when container is empty and closed. For disposal of product residues, refer to Safety Data Sheet.

2.3. Other hazards

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients

Hazardous ingredients

sulphamidic acid

CAS No. 5329-14-6
EINECS no. 226-218-8
Registration no. 01-2119488633-28-XXXX
Concentration >= 50 %
Classification Xi, R36/38
R52/53

Classification (Regulation (EC) No. 1272/2008)

| | |
|-------------------|------|
| Aquatic Chronic 3 | H412 |
| Eye Irrit. 2 | H319 |
| Skin Irrit. 2 | H315 |

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated clothing immediately and dispose of safely. In any case show the physician the Safety Data Sheet.

After inhalation

Ensure supply of fresh air. When dust is intensively inhaled, seek medical help immediately.

After skin contact

Wash off immediately with soap and water. Take medical treatment.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

After ingestion

If swallowed, seek medical advice immediately and show this container or label. Rinse mouth thoroughly with water. Let plenty of water be drunk in small gulps. Do not induce vomiting.

Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

4.2. Most important symptoms and effects, both acute and delayed

Until now no symptoms known so far.

4.3. Indication of any immediate medical attention and special treatment needed

Hints for the physician / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

SECTION 5: Firefighting measures

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5.1. Extinguishing media

Suitable extinguishing media

Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.

Non Suitable extinguishing media

Compatible with all usual extinguishing media.

5.2. Special hazards arising from the substance or mixture

In case of combustion evolution of dangerous gases possible.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Do not inhale explosion and/or combustion gases. In case of combustion use a suitable breathing apparatus.

Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Knock down dust with water spray jet.

6.3. Methods and material for containment and cleaning up

Pick up mechanically. Dispose of absorbed material in accordance with the regulations.

6.4. Reference to other sections

Refer to protective measures listed in sections 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid the formation and deposition of dust. Keep container tightly closed.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in original packaging, tightly closed. Provide solvent-resistant and impermeable floor.

Storage class according to TRGS 510

Storage class according to TRGS 510 8B Non-combustible corrosive hazardous substances

7.3. Specific end use(s)

no data

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Other information

Contains no substances with occupational exposure limit values.

8.2. Exposure controls

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General protective and hygiene measures

Do not inhale dust/fumes/aerosols. Avoid contact with skin and eyes. Do not eat, drink or smoke during work time. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

Respiratory protection

Use breathing apparatus in dust-laden atmosphere. Dust mask

Hand protection

Chemical resistant gloves

Appropriate Material neoprene

Appropriate Material vinyl

Appropriate Material butyl rubber

Appropriate Material nitrile

Eye protection

Safety glasses with side protection shield

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|----------------|
| Form | solid |
| Colour | white |
| Odour | characteristic |
| Odour threshold | |
| Remarks | not determined |
| pH value | |
| Value | < 1 |
| Concentration/H ₂ O | 10 % |
| Melting point | |
| Remarks | not determined |
| Freezing point | |
| Remarks | not determined |
| Initial boiling point and boiling range | |
| Remarks | not determined |
| Flash point | |
| Remarks | Not applicable |
| Evaporation rate (ether = 1) : | |
| Remarks | not determined |
| Flammability (solid, gas) | |
| evaluation | not determined |
| Upper/lower flammability or explosive limits | |
| Remarks | not determined |
| Vapour pressure | |
| Remarks | not determined |
| Vapour density | |
| Remarks | not determined |
| Density | |
| Remarks | not determined |
| Solubility in water | |

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Remarks not determined

Solubility(ies)

Remarks not determined

Partition coefficient: n-octanol/water

Remarks not determined

Ignition temperature

Remarks not determined

Decomposition temperature

Remarks not determined

Viscosity

Remarks not determined

Explosive properties

evaluation not determined

Oxidising properties

evaluation None known

9.2. Other information

Other information

None known

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability

No hazardous reactions known.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

No hazardous reactions known.

Decomposition temperature

Remarks not determined

10.5. Incompatible materials

Reactions with alkalies.

10.6. Hazardous decomposition products

Irritant gases/vapours

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

| | | |
|---------|--|-------|
| Species | rat | |
| LD50 | > 2000 | mg/kg |
| Method | calculated value (Regulation (EC) No. 1272/2008) | |

Acute oral toxicity (Components)

sulphamidic acid

Species rat

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LD50 3160 mg/kg

Acute dermal toxicity

Remarks not determined

Acute dermal toxicity (Components)

sulphamidic acid

Species rat
LD50 > 2000 mg/kg
Duration of exposure 24 h

Acute inhalational toxicity

Remarks not determined

Skin corrosion/irritation

evaluation irritant

Serious eye damage/irritation

evaluation irritant

Sensitization

Remarks not determined

Subacute, subchronic, chronic toxicity

Remarks not determined

Mutagenicity

Remarks not determined

Reproductive toxicity

Remarks not determined

Carcinogenicity

Remarks not determined

Specific Target Organ Toxicity (STOT)

Remarks not determined

Aspiration hazard

No special hazards have to be mentioned.

Experience in practice

Inhalation of dusts may irritate the respiratory tract.

Other information

There is no data available on the product apart from the information given in this subsection.

SECTION 12: Ecological information

12.1. Toxicity

General information

not determined

Fish toxicity (Components)

sulphamidic acid

Species Fathead minnow (*Pimephales promelas*)
LC50 70,3 mg/l
Duration of exposure 96 h

Daphnia toxicity (Components)

sulphamidic acid

Species Daphnia magna
EC50 71,6 mg/l

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Duration of exposure 48 h
Method OECD 202

Algae toxicity (Components)

sulphamic acid

Species Scenedesmus subspicatus
ErC50 48 mg/l
Duration of exposure 72 h

Bacteria toxicity (Components)

sulphamic acid

Species activated sludge
EC50 > 200 mg/l
Duration of exposure 3 h

12.2. Persistence and degradability

General information

not determined

12.3. Bioaccumulative potential

General information

not determined

Partition coefficient: n-octanol/water

Remarks not determined

12.4. Mobility in soil

General information

not determined

12.5. Results of PBT and vPvB assessment

General information

not determined

12.6. Other adverse effects

General information

not determined

General information / ecology

Do not allow to enter soil, waterways or waste water canal.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

SECTION 14: Transport information

Land transport ADR/RID

14.1. UN number

UN 2967

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14.2. UN proper shipping name

SULPHAMIC ACID

14.3. Transport hazard class(es)

Class 8

Label 8

14.4. Packing group

Packing group III

Limited Quantity 5 kg

Transport category 3

Tunnel restriction code E

Marine transport IMDG/GGVSee

14.1. UN number

UN 2967

14.2. UN proper shipping name

SULPHAMIC ACID

14.3. Transport hazard class(es)

Class 8

14.4. Packing group

Packing group III

14.5. Environmental hazards

no

IMDG-Code segregation 1 Acids

group

Air transport ICAO/IATA

14.1. UN number

UN 2967

14.2. UN proper shipping name

SULPHAMIC ACID

14.3. Transport hazard class(es)

Class 8

14.4. Packing group

Packing group III

Information for all modes of transport

14.6. Special precautions for user

See Sections 6 to 8

Other information

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Ingredients (Regulation (EC) No 648/2004)

less than 5 %:

non-ionic surfactants

Water Hazard Class (Germany)

Water Hazard Class WGK 1

(Germany)

Remarks Classification according to Annex 4 VwVwS

VOC

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VOC (EU) 0 %

Other information

The product does not contain substances of very high concern (SVHC).

15.2. Chemical safety assessment

For this mixture a chemical safety assessment has not been carried out.

SECTION 16: Other information

R-phrases listed in Chapter 3

| | |
|-------|---|
| 36/38 | Irritating to eyes and skin. |
| 52/53 | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

Hazard statements listed in Chapter 3

| | |
|------|--|
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H412 | Harmful to aquatic life with long lasting effects. |

CLP categories listed in Chapter 3

| | |
|-------------------|---|
| Aquatic Chronic 3 | Hazardous to the aquatic environment, chronic, Category 3 |
| Eye Irrit. 2 | Eye irritation, Category 2 |
| Skin Irrit. 2 | Skin irritation, Category 2 |

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.