

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 31.08.2023

Version number 1

Revision: 31.08.2023

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

- **1.1 Product identifier**
- **Trade name:** Amidosulfonic acid
- **Article number:** 13
- **CAS Number:**
5329-14-6
- **EC number:**
226-218-8
- **Index number:**
016-026-00-0
- **Registration number** 01-2119488633-28
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture**
Chemical.
Industrial use.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Möller Chemie GmbH & Co. KG
Bürgerkamp 1
D-48565 Steinfurt
Tel.: 02551/9340-0
Fax: 02551/9340-60
- **Further information obtainable from:** Product safety department
- **1.4 Emergency telephone number:**
Poison Control Center Mainz - 24 hour emergency service - Tel.: +49 (0) 6131/19240

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS07

Skin Irrit. 2 H315 Causes skin irritation.
 Eye Irrit. 2 H319 Causes serious eye irritation.
 Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The substance is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS07

- **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 eye protection / face protection.

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P305+P351+P338 **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313 **If skin irritation occurs:** Get medical advice/attention.

P337+P313 **If eye irritation persists:** Get medical advice/attention.

P501 **Dispose of contents/container in accordance with local/regional/national/international regulations.**

· 2.3 Other hazards

The product does not contain any substance above the legal limits included on the list for endocrine disrupting properties established under Article 59(1) of Regulation (EC) No 1907/2006 or under Commission Delegated Regulation (EU) 2017/2100 or of Commission Regulation (EU) 2018/605 has endocrine disrupting properties.

· Results of PBT and vPvB assessment

· PBT:

The product does not contain any substances above legal limits that meet the criteria for PBT (persistent, bioaccumulative and toxic).

· vPvB:

The product does not contain any substances above legal limits that meet the criteria for vPvB (very persistent and very bioaccumulative).

SECTION 3: Composition/information on ingredients

· 3.1 Substances

· CAS No. Description

5329-14-6 Amidosulfonic acid

· Identification number(s)

· EC number: 226-218-8

· Index number: 016-026-00-0

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· **General information:** Immediately remove any clothing soiled by the product.

· After inhalation:

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air, consult doctor in case of complaints.

· After skin contact:

If skin irritation continues, consult a doctor.

Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

· After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting. Call a doctor immediately.

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

Breathing difficulty

eye irritation

Irritation of the skin

Pain in the alimentary canal

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

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

· **Suitable extinguishing agents:** CO₂, powder or water spray. Fight larger fire with alcohol resistant foam.

· 5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Sulphur dioxide (SO₂)

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Nitrogen oxides (NO_x)Ammonia (NH₃)· **5.3 Advice for firefighters**· **Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

· **Additional information**

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures· **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid formation of dust.

Ensure adequate ventilation

Use respiratory protection if exposed to vapours/dust/aerosol.

Wear protective equipment. Keep unprotected persons away.

· **6.2 Environmental precautions:**

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

· **6.3 Methods and material for containment and cleaning up:**

Neutralise with lye, lime or ammonia.

Take up dust-free and deposit dust-free

Send for recovery or disposal in suitable receptacles.

Dispose contaminated material as waste according to section 13.

· **6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage· **7.1 Precautions for safe handling**

Avoid contact with eyes and skin.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

· **Information about fire - and explosion protection:** The product is non-flammable.· **7.2 Conditions for safe storage, including any incompatibilities**· **Storage:**· **Requirements to be met by storerooms and receptacles:**

Keep container tightly closed and store in a dry and well-ventilated place.

· **Information about storage in one common storage facility:**

Store away from oxidising agents.

Store separately from bases.

· **Further information about storage conditions:** Keep container tightly sealed.· **Storage class:** 8 B (non-flammable, corrosive hazardous substances (except only metal-corrosive))· **7.3 Specific end use(s)** No further relevant information available.**SECTION 8: Exposure controls/personal protection**· **8.1 Control parameters**· **Ingredients with limit values that require monitoring at the workplace:** Not required.· **DNELs**

Oral:

Population - 5 mg/kg bw/day (long term, systematic effect)

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Dermal:*Workers - 10 mg/kg bw/day (long term, systematic effect)**Population - 5 mg/kg bw/day (long term, systematic effect)***Inhalative:***Workers - 70.5 mg/m³ bw/day (long-term, systematic effect)**Population - 17.4 mg/m³ bw/day (long-term, systematic effect)***· PNECs***Fresh water: 0.48 mg/l**Marine sediment: 0.18 mg/l**Sewage treatment plant: 20 mg/l**Marine sediment: 0.0173 mg/kg**Soil: 0.00638 mg/kg***· Additional information:** *The lists valid during the making were used as basis.***· 8.2 Exposure controls****· Appropriate engineering controls** *No further data; see section 7.***· Individual protection measures, such as personal protective equipment****· General protective and hygienic measures:***Keep away from foodstuffs, beverages and feed.**Immediately remove all soiled and contaminated clothing**Wash hands before breaks and at the end of work.**Avoid contact with the eyes and skin.**Do not breathe dust. Avoid dust formation.***· Respiratory protection:***Suitable respiratory protective device recommended.**Filter P2***· Hand protection***Protective gloves**The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.**Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.**Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation***· Material of gloves***Nitrile rubber, NBR**Natural rubber, NR**Fluorocarbon rubber (Viton)**PVC gloves**Rubber gloves**Chloroprene rubber, CR**The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.***· Penetration time of glove material***The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.***· Eye/face protection***Tightly sealed goggles*

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- **Body protection:**
Standard protective clothing. Chemical resistant safety shoes or boots. If skin contact can occur, wear protective clothing impervious to this solution.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

- | | |
|--|------------------------------|
| · Physical state | Solid |
| · Colour: | White |
| · Odour: | Odourless |
| · Melting point/freezing point: | 205 °C |
| · Boiling point or initial boiling point and boiling range | Not applicable |
| · Flammability | Product is not flammable. |
| · Flash point: | not applicable |
| · Decomposition temperature: | >200 °C |
| · pH (10 g/l) at 20 °C | 1.2 |
| · Solubility | |
| · water at 20 °C: | 213 g/l |
| · Density and/or relative density | |
| · Density at 20 °C: | 2.126 g/cm ³ |
| · Bulk density at 20 °C: | 600 - 1300 kg/m ³ |
| · Particle characteristics | |
| See section 3. | |

· 9.2 Other information

- | | |
|---|---|
| · Appearance: | |
| · Form: | Powder |
| · Important information on protection of health and environment, and on safety. | |
| · Explosive properties: | Product does not present an explosion hazard. |
| · Molecular weight | 97.09 g/mol |

· Information with regard to physical hazard classes

- | | |
|---|------|
| · Explosives | Void |
| · Flammable gases | Void |
| · Aerosols | Void |
| · Oxidising gases | Void |
| · Gases under pressure | Void |
| · Flammable liquids | Void |
| · Flammable solids | Void |
| · Self-reactive substances and mixtures | Void |
| · Pyrophoric liquids | Void |
| · Pyrophoric solids | Void |
| · Self-heating substances and mixtures | Void |
| · Substances and mixtures, which emit flammable gases in contact with water | Void |
| · Oxidising liquids | Void |
| · Oxidising solids | Void |
| · Organic peroxides | Void |
| · Corrosive to metals | Void |
| · Desensitised explosives | Void |

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.

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- **10.3 Possibility of hazardous reactions**
Reacts with alkali (lyes).
Reactions with metals with the formation of hydrogen.
- **10.4 Conditions to avoid** *No further relevant information available.*
- **10.5 Incompatible materials:**
bases
base metals
nitrites
- **10.6 Hazardous decomposition products:**
Sulphur dioxide
Nitrogen oxides
Ammonia

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** *Based on available data, the classification criteria are not met.*
- **Skin corrosion/irritation**
Causes skin irritation.
- **Serious eye damage/irritation**
Causes serious eye irritation.
- **Respiratory or skin sensitisation** *Based on available data, the classification criteria are not met.*
- **Germ cell mutagenicity** *Based on available data, the classification criteria are not met.*
- **Carcinogenicity** *Based on available data, the classification criteria are not met.*
- **Reproductive toxicity** *Based on available data, the classification criteria are not met.*
- **STOT-single exposure** *Based on available data, the classification criteria are not met.*
- **STOT-repeated exposure** *Based on available data, the classification criteria are not met.*
- **Aspiration hazard** *Based on available data, the classification criteria are not met.*
- **11.2 Information on other hazards**
- **Endocrine disrupting properties** *Substance is not listed.*

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**
LC50/96h: (Pimephales promelas (fathead minnow)): 70.3 mg/l
EC50/48h: (Daphnia magna (Big water flea)): 71.6 mg/l
EC50/72h: (Desmodesmus subspicatus (green algae)): 48 mg/l
- **12.2 Persistence and degradability** *Not easily biodegradable*
- **12.3 Bioaccumulative potential** *No further relevant information available.*
- **12.4 Mobility in soil** *No further relevant information available.*
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** *The product is not considered to be persistent, bioaccumulating nor toxic (PBT).*
- **vPvB:** *The product is not considered to be persistent or very bioaccumulative (vPvB).*
- **12.6 Endocrine disrupting properties** *For information on endocrine disrupting properties see section 11.*
- **12.7 Other adverse effects**
- **Remark:** *Harmful to fish*
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Harmful to aquatic organisms
Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

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SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Disposal according to local regulations.
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

· 14.1 UN number or ID number · ADR, IMDG, IATA	UN2967
· 14.2 UN proper shipping name · ADR · IMDG, IATA	2967 SULPHAMIC ACID SULPHAMIC ACID
· 14.3 Transport hazard class(es) · ADR	
	
· Class · Label	8 (C2) Corrosive substances. 8
· IMDG, IATA	
	
· Class · Label	8 Corrosive substances. 8
· 14.4 Packing group · ADR, IMDG, IATA	III
· 14.5 Environmental hazards: · Marine pollutant:	No
· 14.6 Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Segregation groups · Stowage Category · Segregation Code	Warning: Corrosive substances. 80 F-A,S-B (SGG1) Acids A SG36 Stow "separated from" SGG18-alkalis. SG49 Stow "separated from" SGG6-cyanides
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	
· ADR · Limited quantities (LQ) · Excepted quantities (EQ)	5 kg Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g

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· Transport category	3
· Tunnel restriction code	E
· IMDG	
· Limited quantities (LQ)	5 kg
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
· UN "Model Regulation":	UN 2967 SULPHAMIC ACID, 8, III

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 75
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Product safety department
- **Contact:** Mrs. Steyer
- **Abbreviations and acronyms:**
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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