

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

SULFAMIC ACID / BAG 25 KGVersion 2.0
Revision Date 2010/11/22

Print Date 2012/08/14

1. Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Trade name : SULFAMIC ACID / BAG 25 KG
Substance name : sulphamidic acid; sulphamic acid; sulfamic acid
Index-No. : 016-026-00-0
CAS-No. : 5329-14-6
EC-No. : 226-218-8

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

Use of the Substance/Mixture : At this time we do not yet have information on identified uses.
They will be included in this safety data sheet when available.

Recommended restrictions on use : At that time we do not yet have information on use restrictions.
They will be included in this safety data sheet when available.

1.3. Details of the supplier of the safety data sheet

Company : Brenntag Nordic AB
Koksgatan 18
SE 20211 Malmoe
Telephone : +46 (0)40-28 73 00
Telefax : +46 (0)40-93 7015
E-mail address : SDS.SE@brenntag-nordic.com
Responsible/issuing person : Environment & Quality

1.4. Emergency telephone number

Emergency telephone number : In case of personal injury call:
Denmark: 82 12 12 12 Giftlinien, Bispebjerg Hospital
Finland: Poison Information Centre: (09) 471 977 (direct) or
(09) 47 11 (exchange), open 24h/day
Norway: 22 59 13 00 Giftinformasjonen (døgnåpent)
Sweden: +46-8-331231 Giftinformationscentralen (24 hour service)
Outside these countries: Please call your local emergency services

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2. Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

REGULATION (EC) No 1272/2008			
Hazard class	Hazard category	Target Organs	Hazard statements
Serious eye damage/eye irritation	Category 2		H319
Skin corrosion/irritation	Category 2		H315
Chronic aquatic toxicity	Category 3		H412

For the full text of the H-Statements mentioned in this Section, see Section 16.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Directive 67/548/EEC or 1999/45/EC	
Hazard symbol / Category of danger	Risk phrases
Irritant (Xi)	R36/38
	R52, R53

For the full text of the R-phrases mentioned in this Section, see Section 16.

Most important adverse effects

- Human Health : See section 11 for toxicological information.
No further information available.
- Physical and chemical hazards : See section 9 for physicochemical information.
No further information available.
- Potential environmental effects : See section 12 for environmental information.
No further information available.


2.2. Label elements**Labelling according to Regulation (EC) No 1272/2008**

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Hazard symbols	:		
Signal word	:	Warning	
Hazard statements	:	H319 H315 H412	Causes serious eye irritation. Causes skin irritation. Harmful to aquatic life with long lasting effects.
Precautionary statements			
Prevention	:	P280 P273	Wear protective gloves/ protective clothing/ eye protection/ face protection. Avoid release to the environment.
Response	:	P305 + P351 + P338 P337 + P313 P302 + P352	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention. IF ON SKIN: Wash with plenty of soap and water.
Disposal	:	P501	Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

II • sulphamidic acid

2.3. Other hazards

No other information is available.

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3. Composition/information on ingredients**3.1. Substances**

Chemical Name	Identification Number	Amount [%]
sulphamidic acid	Index-No. : 016-026-00-0	
	CAS-No. : 5329-14-6	>= 99
	EC-No. : 226-218-8	

4. First aid measures**4.1 Description of first aid measures**

General advice	: Remove from exposure, lie down. Remove to fresh air. Take off contaminated clothing and shoes immediately. Consult a physician.
If inhaled	: Remove to fresh air. Give oxygen. Consult a physician.
In case of skin contact	: Wash off immediately with soap and plenty of water. Obtain medical attention.
In case of eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 5 minutes. Consult a physician.
If swallowed	: Clean mouth with water and drink afterwards plenty of water. Call a physician immediately. Do not induce vomiting without medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	: No further information available.
Effects	: No further information available.

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4.3 Indication of immediate medical attention and special treatment needed

Treatment : Treat symptomatically.
No further information available.

5. Fire-fighting measures**5.1. Extinguishing media**

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
The product itself does not burn.

Unsuitable extinguishing media : No information available.

5.2. Special hazards arising from the substance or mixture

Specific hazards during fire fighting : In case of fire hazardous decomposition products may be produced such as:
Sulphur oxides
nitrogen oxides (NOx)
Ammonia

5.3. Advice for firefighters

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.
Wear appropriate body protection (full protective suit)

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6. Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Use personal protective equipment. Keep people away from and upwind of spill/leak. Avoid dust formation. Provide adequate ventilation. Avoid contact with skin and eyes. For personal protection see section 8.

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6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleaning up

Methods and materials for containment and cleaning up : Use mechanical handling equipment. Dispose of in accordance with local regulations.

Further information : Treat recovered material as described in the section "Disposal considerations".

6.4 Reference to other sections

For personal protection see section 8.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Keep container tightly closed. Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity. Remove all sources of ignition. Do not smoke.

Hygiene measures : Take off all contaminated clothing immediately. Do not breathe dust or spray mist. Avoid contact with the skin and the eyes. Keep away from food, drink and animal feedingstuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

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Advice on protection against fire and explosion : Gives off hydrogen by reaction with metals. Risk of explosion.

Further information on storage conditions : Keep tightly closed in a dry and cool place. Keep away from direct sunlight. Keep away from sources of ignition - No smoking.

German storage class : 8 Corrosive Substances

7.3 Specific end uses

Specific use(s) : No information available.

8. Exposure controls/personal protection

8.1. Control parameters

Other OELs

(Additional) Information : Contains no substances with occupational exposure limit values.

8.2. Exposure controls

Engineering measures

Refer to protective measures listed in sections 7 and 8.

Personal protective equipment

Respiratory protection

Advice : Dust-mask

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Hand protection

Advice : Wear suitable gloves.
The following information applies to aqueous, saturated solutions.
Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
Protective gloves should be replaced at first signs of wear.

Material : natural rubber

Gloves : > 8 h

Glove thickness : 0.5 mm

Material : polychloroprene

Gloves : > 8 h

Glove thickness : 0.5 mm

Eye protection

Advice : Tightly fitting safety goggles

Skin and body protection

Advice : Use protective skin cream before handling the product.
Wear suitable protective clothing.

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.
If the product contaminates rivers and lakes or drains inform respective authorities.

9. Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Form : solid

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Colour	: white
Odour	: odourless
Odour Threshold	: Currently we do not have any Information from our supplier about this.
pH	: ca. 1.2 10 g/l 20 °C
Freezing point	: ca. 190 °C
Boiling point	: Currently we do not have any Information from our supplier about this.
Flash point	: not applicable
Evaporation rate	: Currently we do not have any Information from our supplier about this.
Flammability (solid, gas)	: does not ignite
Upper explosion limit	: Currently we do not have any Information from our supplier about this.
Lower explosion limit	: Currently we do not have any Information from our supplier about this.
Vapour pressure	: Currently we do not have any Information from our supplier about this.
Relative vapour density	: Currently we do not have any Information from our supplier about this.
Density	: 2.1 g/cm ³ 20 °C
Water solubility	: 213 g/l 20 °C
Partition coefficient: n-octanol/water	: Currently we do not have any Information from our supplier about this.
Ignition temperature	: Currently we do not have any Information from our supplier about this.
Thermal decomposition	: Currently we do not have any Information from our supplier about this.
Viscosity, kinematic	: Currently we do not have any Information from our

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Explosive properties : supplier about this.
: Currently we do not have any Information from our supplier about this.

Oxidizing properties : Currently we do not have any Information from our supplier about this.

9.2 Other information

Bulk density : 1,000 - 1,300 kg/m³
20 °C

10. Stability and reactivity**10.1. Reactivity**

Advice : No information available.

10.2. Chemical stability

Advice : No decomposition if stored and applied as directed.
No further information available.

10.3. Possibility of hazardous reactions

Hazardous reactions : Incompatible with oxidizing agents. Hydrogen, by reaction with metals

10.4. Conditions to avoid

Conditions to avoid : Extremes of temperature and direct sunlight.

10.5. Incompatible materials

Materials to avoid : No information available.

10.6. Hazardous decomposition products

Hazardous decomposition products : nitrous gases
Ammonia
Sulphur oxides

11. Toxicological information

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11.1. Information on toxicological effects

Product: sulphamidic acid; sulphamic acid; sulfamic acid	CAS-No. 5329-14-6
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Further information

Other relevant toxicity : All numerical values for acute toxicity are calculated on the pure substances.
Handle in accordance with good industrial hygiene and safety practice.

Component: sulphamidic acid	CAS-No. 5329-14-6
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Acute toxicity

Oral

Value type : LD50
Value : 3,160 mg/kg
Species : rat

Irritation

Skin

Species : rabbit
Result : Irritating to skin.
Method : OECD Test Guideline 404

Eyes

Species : rabbit
Result : Severe eye irritation
Method : OECD Test Guideline 405
Remarks : Risk of serious damage to eyes.

Sensitisation

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Remarks : Did not cause sensitization on laboratory animals.

12. Ecological information**12.1. Toxicity**

Component: sulphamidic acid	CAS-No. 5329-14-6
Acute toxicity	

Fish

Species : Pimephales promelas
 Exposure Time : 96 h
 Value type : LC50
 Value : 70.3 mg/l

Bacteria

Species : Pseudomonas putida
 Exposure time : 16 h
 Value type : EC10
 Value : > 1,000 mg/l

12.2. Persistence and degradability

Persistence and degradability	
Component: sulphamidic acid	CAS-No. 5329-14-6
Persistence and degradability	

Biodegradability

Remarks : The methods for determining biodegradability are not applicable to inorganic substances.

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12.3. Bioaccumulative potential

Component: sulphamidic acid	CAS-No. 5329-14-6
Bioaccumulation	

Remarks : Bioaccumulation is not expected.

12.4. Mobility in soil**12.5. Results of PBT and vPvB assessment****12.6. Other adverse effects**

Product: sulphamidic acid; sulphamic acid; sulfamic acid	CAS-No. 5329-14-6
Additional ecological information	

Remarks : All numerical values for ecotoxicity effects are calculated on the pure substances.
Does not cause biological oxygen deficit.
Use neutralizing agent.
Do not flush into surface water or sanitary sewer system.

13. Disposal considerations**13.1. Waste treatment methods**

Product : Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains.

Contaminated packaging : Dispose of as unused product. Dispose of in accordance with local regulations.

European Waste Catalogue Number : Waste codes should be assigned by the user based on the application for which the product was used.

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14. Transport information**14.1. UN number**

2967

14.2. UN proper shipping nameADR : SULPHAMIC ACID
RID : SULPHAMIC ACID
IMDG : SULPHAMIC ACID**14.3. Transport hazard class(es)**ADR-Class : 8
(Labels; Classification Code; Hazard
identification No; Tunnel restriction code) 8; C2; 80; (E)RID-Class : 8
(Labels; Classification Code; Hazard
identification No) 8; C2; 80IMDG-Class : 8
(Labels; EmS) 8; F-A, S-B**14.4. Packaging group**

ADR : III

RID : III

IMDG : III

14.5. Environmental hazardsLabeling according to 5.2.1.8 ADR : no
Labeling according to 5.2.1.8 RID : no
Labeling according to 5.2.1.6.3 IMDG : no
Classification as environmentally
hazardous according to 2.9.3 IMDG : no

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Classified as "P" according to 2.10 IMDG : no

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IMDG : Not applicable.

15. Regulatory information

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

Notification status

15.2. Chemical Safety Assessment

Currently we do not have any Information from our supplier about this.

16. Other information

Full text of R-phrases referred to under sections 2 and 3.

R36/38	Irritating to eyes and skin.
R52	Harmful to aquatic organisms.
R53	May cause long-term adverse effects in the aquatic environment.

Full text of H-Statements referred to under sections 2 and 3.

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

Further information

Other information : The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship. The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

|| Indicates updated section.