

# SAFETY DATA SHEET

SULPHAMIC ACID

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Compilation date: 20/01/2016

Revision No: 1

## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product name:** SULPHAMIC ACID

**CAS number:** 5329-14-6

**EINECS number:** 226-218-8

**Index number:** 016-026-00-0

**Synonyms:** SULPHAMIDIC ACID

SULFAMIC ACID

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

### 1.3. Details of the supplier of the safety data sheet

**Company name:** Central Chemical Supplies Ltd

44 Hall Road

Donaghcloney

Co Armagh

BT66 7LJ

United Kingdom

**Tel:** 02838 881936

**Email:** [frances@ccsni.co.uk](mailto:frances@ccsni.co.uk)

### 1.4. Emergency telephone number

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification under CLP:** Eye Irrit. 2: H319; Skin Irrit. 2: H315; Aquatic Chronic 3: H412

**Most important adverse effects:** Causes serious eye irritation. Causes skin irritation. Harmful to aquatic life with long lasting effects.

### 2.2. Label elements

**Label elements:**

**Hazard statements:** H319: Causes serious eye irritation.

H315: Causes skin irritation.

H412: Harmful to aquatic life with long lasting effects.

**Hazard pictograms:** GHS07: Exclamation mark



**Signal words:** Warning

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**Precautionary statements:** P264: Wash skin thoroughly after handling.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P302+352: IF ON SKIN: Wash with plenty of water/soap.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P313: Get medical advice/attention.  
P501: Dispose of contents/container to the appropriate authorities.  
P332+313: If skin irritation occurs: Get medical advice/attention.  
P337+313: If eye irritation persists: Get medical advice/attention.  
P362: Take off contaminated clothing.

### 2.3. Other hazards

## Section 3: Composition/information on ingredients

### 3.1. Substances

**Chemical identity:** SULPHAMIC ACID

**CAS number:** 5329-14-6

**EINECS number:** 226-218-8

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

**Eye contact:** Remove contact lenses, if present and easy to do. Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Do not induce vomiting. If unconscious, check for breathing and apply artificial respiration if necessary. Wash out mouth with water. Give 1 cup of water to drink every 10 minutes. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor. If breathing becomes bubbly, have the casualty sit and provide oxygen if available.

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

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** Harmful if swallowed.

**Inhalation:** Harmful: danger of serious damage to health by prolonged exposure through inhalation.

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

**Immediate / special treatment:** Treat symptomatically. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

[cont...]

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## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Carbon dioxide.

### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** Water used for fire extinguishing, which has been in contact with the product, may be corrosive.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Refer to section 8 of SDS for personal protection details. Avoid inhalation of vapours and contact with skin and eyes.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS. Refer to section 13 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid spilling, skin and eye contact. Wear personal protective equipment. Ensure there is sufficient ventilation of the area.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Keep container tightly closed. Store in a cool, well ventilated area.

**Suitable packaging:** Acid resistant

### 7.3. Specific end use(s)

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** No data available.

[cont...]

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### DNEL/PNEC Values

#### SULPHAMIC ACID

Type	Exposure	Value	Population	Effect
DNEL	Oral	1.06	Consumers	Systemic
DNEL	Inhalation	1.85 mg/m <sup>3</sup>	Consumers	Systemic
DNEL	Inhalation	7.5 mg/m <sup>3</sup>	Workers	Systemic

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure there is exhaust ventilation of the area.

**Respiratory protection:** If ventilation is insufficient, suitable respiratory protection must be provided. Particle filter class P2S (EN143).

**Hand protection:** Protective gloves. Rubber gloves.

**Eye protection:** Safety goggles.

**Skin protection:** Protective clothing.

**Environmental:** Avoid release to the environment.

### Section 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

**State:** Powder

**Colour:** Off-white

**Odour:** Odourless

**Solubility in water:** Soluble

**Melting point/range°C:** 205

**Relative density:** 1.25

**pH:** 1.8

#### 9.2. Other information

**Other information:** No data available.

### Section 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity:** Reaction with water produces Ammonium Bisphate.

#### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Explosive reaction with Chlorine. Nitric Acid (HNO<sub>3</sub>)

#### 10.4. Conditions to avoid

**Conditions to avoid:** Heat. Moist air.

[cont...]

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### 10.5. Incompatible materials

**Materials to avoid:** Strong bases. Strong oxidising agents. Water. Steam. Water mixtures. Organic cyanides (nitriles). Inorganic Cyanides.

### 10.6. Hazardous decomposition products

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Toxicity values:

Route	Species	Test	Value	Units
IPR	RAT	LDLO	100	mg/kg
ORL	MUS	LD50	1312	mg/kg
ORL	RAT	LD50	3160	mg/kg

#### Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

### Symptoms / routes of exposure

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** Harmful if swallowed.

**Inhalation:** Harmful: danger of serious damage to health by prolonged exposure through inhalation.

## Section 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicity values:

Species	Test	Value	Units
FISH	96H LC50	70.3	mg/l

### 12.2. Persistence and degradability

**Persistence and degradability:** No data available.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No data available.

### 12.4. Mobility in soil

**Mobility:** No data available.

[cont...]

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## 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

## 12.6. Other adverse effects

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Must be disposed of in accordance with local and national regulations.

**Disposal of packaging:** Must be disposed of in accordance with local and national regulations.

## Section 14: Transport information

### 14.1. UN number

**UN number:** UN2967

### 14.2. UN proper shipping name

**Shipping name:** SULPHAMIC ACID

### 14.3. Transport hazard class(es)

**Transport class:** 8

### 14.4. Packing group

**Packing group:** III

### 14.5. Environmental hazards

**Environmentally hazardous:** No

**Marine pollutant:** No

### 14.6. Special precautions for user

**Tunnel code:** E

**Transport category:** 3

## Section 15: Regulatory information

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

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### Other information

**Phrases used in s.2 and s.3:** H315: Causes skin irritation.

H319: Causes serious eye irritation.

H412: Harmful to aquatic life with long lasting effects.