

CONTACT
0800 990 3258
enquiries@reagent.co.uk



ReAgent

SULPHAMIC ACID MSDS

According to Regulation (EC) No 1907/2006

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	SULPHAMIC ACID
CAS-No.	5329-14-6
EU INDEX NO.	016-026-00-0
EC No.	226-218-8
SUPPLIER	Reagent Chemical Services 18 Aston Fields Road Whitehouse Industrial Estate Runcom Cheshire WA7 3DL T: 01928 716903 F: 01928 716425 E: info@reagent.co.uk
PRODUCT NO.	C0128
APPLICATION	General chemical reagent
EMERGENCY TELEPHONE	Emergency Telephone : +44 (0) 1928 716903 Between 08.30 - 17.00

2 HAZARDS IDENTIFICATION

Irritating to eyes and skin. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION (67/548) Xi;R36/38 R52/53

3 COMPOSITION/INFORMATION ON INGREDIENTS

EU INDEX NO.	016-026-00-0
EC No.	226-218-8
CAS-No.	5329-14-6

4 FIRST-AID MEASURES

GENERAL INFORMATION

CAUTION! First aid personnel must be aware of own risk during rescue! First aid personnel must protect themselves with all necessary personal protective equipment during the assistance of casualties. When breathing is difficult, properly trained personnel may assist the casualty by administering oxygen. If casualty needs to be resuscitated avoid mouth to mouth contact, use a mechanical device such as a bag and mask to provide artificial respiration. Place unconscious person on the side in the recovery position and ensure breathing can take place. Do not give victim anything to drink if they are unconscious. If medical attention is required take this information sheet with the casualty.

INHALATION

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. In case of severe exposure or if any discomfort continues get medical attention.

INGESTION

Do not induce vomiting. Immediately rinse mouth and drink plenty of water. Get medical attention immediately!

SKIN CONTACT

Immediately remove contaminated clothing and wash before re-use. Wash the skin immediately with soap and water. In serious cases or if discomfort continues obtain medical attention.

EYE CONTACT

Promptly wash eyes with plenty of water or eye wash solution while lifting the eyelids. If possible remove any contact lenses and continue to wash. Get medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

The product is non-combustible. Use fire-extinguishing media appropriate for surrounding materials.

SPECIFIC HAZARDS

In case of fire, toxic and corrosive gases may be formed. Nitrous gases (NOx). Sulphurous gases (SOx).

SULPHAMIC ACID

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

SPILL CLEAN UP METHODS

Avoid generation and spreading of dust. Collect with scoop or shovel if possible to do so safely, otherwise mix with sand or other inert material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Wash spillage site well with water and detergent, be aware of the potential for surfaces to become slippery. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Wash thoroughly after dealing with a spillage.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid inhalation of dust and contact with skin and eyes.

STORAGE PRECAUTIONS

Store in closed original container at temperatures between 15°C and 25°C. Store away from direct sunlight and moisture

STORAGE CLASS

Chemical storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING MEASURES

Provide adequate ventilation and appropriate extraction to avoid occupational exposure. If dusts are generated then work in a fume cupboard

RESPIRATORY EQUIPMENT

Wear suitable dust respirator if dusts are generated and there is insufficient ventilation or extraction.

HAND PROTECTION

Use protective gloves. Rubber or plastic. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Wear suitable protective clothing as protection against splashing or contamination. Have facilities in place to wash eyes in case of contact. If handling large amounts it is recommended to have a safety shower. Wear rubber apron and full length gloves if handling large amounts. If there is a risk of splashing then wear a face shield.

HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes wet or contaminated. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Solid		
COLOUR	White / off-white		
ODOUR	Odourless		
SOLUBILITY	Miscible with water		
MELTING POINT (°C)	205	RELATIVE DENSITY	2.13 20
pH-VALUE, DILUTED SOLUTION	Approx. 1 1% @ 25C	SOLUBILITY VALUE (g/100g H ₂ O@20°C)	Approx. 21

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

MATERIALS TO AVOID

Halogens Bases. Oxidising agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Nitrous gases (NO_x). Sulphur dioxide. Sulphurous gases (SO_x). Ammonia.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 3160 mg/kg (oral rat)

SULPHAMIC ACID**INHALATION**

Irritating to respiratory system. Irritation of the mucous membranes, coughing and dyspnoea.

INGESTION

Irritation of the mouth, the oesophagus and the gastrointestinal tract.

SKIN CONTACT

Irritating to skin.

EYE CONTACT

Irritating to eyes.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment. Harmful effect due to pH shift

13 DISPOSAL CONSIDERATIONS**DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

UK ROAD CLASS	8		
PROPER SHIPPING NAME	SULPHAMIC ACID		
UN NO. ROAD	2967	UK ROAD PACK GR.	III
ADR CLASS NO.	8	ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	III	TUNNEL RESTRICTION CODE	(E)
HAZARD No. (ADR)	80	ADR LABEL NO.	8
HAZCHEM CODE	2Z	CEFIC TEC(R) NO.	80GC2-II+III
RID CLASS NO.	8	RID PACK GROUP	III
UN NO. SEA	2967	IMDG CLASS	8
IMDG PACK GR.	III	EMS	F-A, S-B
UN NO. AIR	2967	AIR CLASS	8
AIR PACK GR.	III		

15 REGULATORY INFORMATION**LABELLING**

Irritant

RISK PHRASES

R36/38	Irritating to eyes and skin.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SAFETY PHRASES

S2	Keep out of the reach of children.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28	After contact with skin, wash immediately with plenty of water.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

SULPHAMIC ACID

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply. COSHH essentials: Easy steps to control chemicals.
Control of Substances Hazardous to Health Regulations.

GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37.

NATIONAL REGULATIONS

Control of Substances Hazardous to Health Regulations 2002 (as amended)

16 OTHER INFORMATION

GENERAL INFORMATION

Under REACH Material Safety Datasheets (MSDS) are referred to as Safety Datasheets (SDS).

REVISION COMMENTS

This is first issue.

REVISION DATE 07/05/2009

REV. NO./REPL. SDS GENERATED 1

SDS NO. 239

SAFETY DATA SHEET STATUS

Approved.