



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : S 16429
Product Name : SULPHAMIC ACID

Manufacturer/supplier identification
Company : NICE Chemicals (P) Ltd., Cochin, India
Tel - 0484 2800212, 2802755

Contact for information : Tel. No.- 0484 2802536 Fax : 0484 2802483
Emergency Telephone No. : 0484 2801583 Tele fax No. : 0484 2802483

2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS-No : 5329-14-6 Ec-Index No. : 016-026-00-0
Molar Mass : 97.09 EC-No. : 226-218-8
Molecular formula : HNO_3S_3

3. HAZARDS INDEX

Irritating to eyes and skin.

4. FIRST AID MEASURES

After inhalation : fresh air.
After skin contact : Wash off with plenty of water.
Remove contaminated clothing.
After eye contact : Rinse out with plenty of water with the eyelid held wide open.
Summon eye specialist.
After swallowing : Make victim drink plenty of water, induce vomiting,
summon doctor.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media :
In adaption to materials stored in the immediate neighbourhood.
Special risks :
Development of hazardous combustion gases/vapours possible in the event of fire.
The following may develop in event of fire :
Sulphur oxides, ammonia, nitrous gases.
Special protective equipment for fire fighting : Do not stay in dangerous zone
without suitable chemical protection clothing and self - contained breathing
apparatus.
Other information : Non-combustible. Contain escaping vapours with water.

6. ACCIDENTAL RELEASE MEASURES

Person related precautionary measures : Avoid generation of dusts; do not inhale
dusts. Avoid substance contact.
Procedures for cleaning/absorption : Take up dry. Forward for disposal.
Clean up affected area.



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7. HANDLING AND STORAGE

Handling - No further requirements.
Storage - Tightly closed. Dry.
Storage temperature : No restrictions.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Respiratory protection : Required when dusts are generated.
Eye Protection : Required
Hand Protection : Required
Industrial hygiene : Change contaminated clothing. Application of skin-protective barrier cream recommended. Wash hands after working with substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	Solid
Colour	:	White
Odour	:	Odourless
pH value at 1 g/l H ₂ O (25° C)	:	1.18
Melting temperature	:	205° C (decomposition)
Boiling temperature	:	Not available
Ignition temperature	:	Not available
Flash Point	:	Not applicable
Explosion limit lower	:	Not available
upper	:	Not available
Relative vapour density	:	Not available
Density (25° C)	:	2.13 g/cm ³
Bulk density	:	~ 600 Kg/m ³
Solubility in Water (20° C)	:	213 gm/lt.
Water (80° C)	:	470 gm/lt.
Thermal decomposition	:	209° C

10. STABILITY AND REACTIVITY :

Conditions to be avoided: Strong heating
Substances to be avoided: halogens, alkalis, oxidizing agent (i.a. nitrates, nitrites, nitric acid), metals with water.
Hazardous decomposition products : in the event of fire : ammonia, nitrous gases, sulphur oxides.

11. TOXICOLOGICAL INFORMATION :

Acute toxicity : LD₅₀ (oral, rat) : 3160 mg/kg
Further toxicological information :
After inhalation of dust : Irritation symptoms in the respiratory tract. coughing, dyspnoea.
After skin contact : Irritant effect
After eye contact : Strong irritant effect
After swallowing : Irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract. No sensitizing effect



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Further data : Further hazardous properties cannot be excluded The product should be handled with the care usual when dealing with chemicals.

12. ECOLOGICAL INFORMATION

Ecotoxic effects :
Quantitative data on the ecological effect of this product are not available.
Biological effects :
Harmful effect on aquatic organisms. Harmful effect due to pH shift.

Further ecologic data : Do not allow to enter waters, waste water or soil!

13. DISPOSAL METHOD

Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like house-hold waste or recycled.

There are no uniform EC Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. Approved waste disposal companies which will advise you on how to dispose of special waste.

14. TRANSPORT INFORMATION :

GGVS/GGVE class : 8 Number and letter : 16c
Transport over land ADR/RID class : 8 Number and letter : 16c
ADR/RID and GGVS/GGVE : Name of material : SULPHAMIC ACID

Sea Transport IMDG : IMDG class : 8 UN No. : 2967 Packing group : III
Ems : 8-08 MFAG : 700
Correct Technical Name : SULPHAMIC ACID

Air Transport ICAO-TI : ICAO/IATA class : 8 UN No. : 2967 Packaging group : III
and IATA-DGR Correct Technical Name : SULPHAMIC ACID

The transport regulations are cited according to international regulations.

15. REGULATORY INFORMATION

Labeling according to EC Directives

Symbol : Xi Irritant

R-phrases : 36/38 Irritating to eyes and skin.

S-phrases : 26-28 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water.



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Water pollution class : 1 (slightly polluting substance) (own classification)

16. OTHER INFORMATION

Reason for alteration

General update.

Change in transport classification.

The information contained herein is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.
