

Chemical Safety Data Sheet

SECTION 1 IDENTIFICATION

Product Name: Sulfamic acid.

Other Name: /

Recommended use of the chemical and restrictions on use: /

Supplier's details: Shandong Mingda Chemical Technology Co., Ltd

Emergency phone number: +86-532-80661806

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

Corrosive to Metals Category 1. Acute Toxicity - Oral Category 4. Skin Corrosion/Irritation Category 1C. Eye Damage/Irritation Category 1. Hazardous to the Aquatic Environment - Long Term Hazard Category 3.

GHS Label elements, including precautionary statements



Signal word: Danger

Hazard statement(s): May be corrosive to metals. Harmful if swallowed. Causes severe skin burns and eye damage. Harmful to aquatic life with long lasting effects.

Precautionary statement(s):

Prevention: Keep only in original container. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dusts or mists. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.

Response: Absorb spillage to prevent material damage. IF SWALLOWED: call a POISON CENTER/doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

Storage: Store in corrosive resistant/container with a resistant inner liner. Store locked up.

Disposal: Dispose of contents/container to in accordance with national regulations.

Other hazards which do not result in classification: /

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration%
Sulfamic acid	5329-14-6	99.5%

SECTION 4 FIRST AID MEASURES

Description of necessary first aid measures

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact: Wash off with soap and plenty of water. Consult a physician.

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed: /

Indication of immediate medical attention and special treatment needed: /

SECTION 5 FIREFIGHTING MEASURES

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the chemical: Not flammable or combustible. Hazardous decomposition products formed under fire conditions. - Nitrogen oxides (NOx) and sulphur oxides.

Special protective actions for fire-fighters: Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid dust formation. Avoid breathing dust, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including any incompatibilities: Keep container tightly closed in a dry and well-ventilated place.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters: /

Appropriate engineering controls: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Personal protective equipment

Eye/face protection: Safety glasses with side shields. Chemical goggles. Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants.

Skin protection: Wear chemical protective gloves, eg. PVC. Wear safety footwear or safety gumboots, eg. Rubber. Impervious clothing, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Selection of the Class and Type of respirator will depend upon the level of breathing zone contaminant and the chemical nature of the contaminant.



SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White solid powder.
Odour	/
Odour Threshold	/
pH	/
Melting point/freezing point	215~225°C.
Initial boiling point and boiling range	/
Flash point	/
Evaporation rate	/
Flammability (solid, gas)	/
Upper/lower flammability or explosive limits	/
Vapour pressure	/
Vapour density	/
Relative density	2.15 (water=1) .
Water solubility	Miscible.
Partition coefficient: noctanol/water	/
Autoignition temperature	/
Decomposition temperature	/
Viscosity	/

SECTION 10 STABILITY AND REACTIVITY

Reactivity: /

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: /

Conditions to avoid: /

Incompatible materials: Strong oxidizing agents, Strong bases.

Hazardous decomposition products: Nitrogen oxides (NO_x), Sulphur oxides.

SECTION 11 TOXICOLOGICAL INFORMATION**Acute health effects**

Inhalation: May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed.

Skin: May be harmful if absorbed through skin. Causes skin burns.

Eyes: Causes eye burns.

Chronic health effects: /

Numerical measures of toxicity(such as acute toxicity estimates): /

SECTION 12 ECOLOGICAL INFORMATION

Toxicity: Harmful to aquatic life with long lasting effects.

Persistence and degradability: /

Bioaccumulative potential: /

Mobility in soil: /

Other adverse effects: /



SECTION 13 DISPOSAL CONSIDERATIONS

Disposal methods: Treatment should involve: Neutralization with soda-ash or soda-lime followed by: Burial in a licensed land-fill or Incineration in a licensed apparatus. Puncture containers to prevent re-use and bury at an authorized landfill. Recycle wherever possible.

SECTION 14 TRANSPORT INFORMATION

UN number: 2967.

UN proper shipping name: SULPHAMIC ACID.

Transport hazard class(es): 8.

Packaging group: III.

Environmental hazards: /

Special precautions for user: /

SECTION 15 REGULATORY INFORMATION**Regulations:**

This safety data sheet is in compliance with the following national standards: GB 16483-2008, GB 13690-2009, GB 6944-2012, GB/T 15098-2008, GB 18218-2009, GB 15258-2009, GB 190-2009, GB 191-2009, GB 12268-2008, GA 57-1993, GBZ 2-2007 as well as the following national regulations: Dangerous Goods Transport Administrative Regulation, Dangerous Chemicals Safety Administrative Regulation, United Nations Regulations on the Transport of Dangerous Goods (UN RTDG)

SECTION 16 OTHER INFORMATION

References "Model Regulations on the Transport of Dangerous Goods"
"The Globally Harmonized System of Classification and Labelling of Chemicals"

Form Date 09-July-2013

Note 1: When products contain two or more hazardous substances, Safety Data Sheets should be prepared based on the risk of the mixture.

Note 2: Manufacturer / supplier should ensure the correctness of the information contained in the safety data sheets, and updated in a timely manner.

Note 3: As a result of product features without the existence of certain information or no data available (such as boiling point does not exist for the solid) in the table with "/" logo.

