

## SAFETY DATA SHEET SULPHAMIC ACID

### 1. IDENTIFICATION OF CHEMICAL

Chemical name: SULPHAMIC ACID  
CAS number: 5329-14-6  
EINECS number: 226-218-8

### 2. COMPOSITION

### 3. HAZARD IDENTIFICATION

Main hazards: Irritating to eyes and skin.

### 4. FIRST-AID MEASURES

Skin contact: In case of skin contact, flood the splashed area with large quantities of running water.

Eye contact: If the substance has entered the eyes, wash out with water or saline solution for at least 15 minutes.

Ingestion: If the chemical has been confined to the mouth, give large quantities of water as a mouth wash. Ensure the mouth wash is not swallowed. If the chemical has been swallowed, give about 250ml water to dilute it in the stomach. In severe cases seek medical attention.

Inhalation: Remove the casualty out of the danger area after first ensuring your own safety. Loosen the patient's clothing. If the casualty is unconscious, place in the recovery position and monitor breathing. Apply artificial respiration only if patient is not breathing. Seek medical attention when anyone has symptoms apparently due to swallowing or inhalation.

### 5. FIRE-FIGHTING MEASURES

Exposure hazards: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Material is not combustible. If involved in a fire it decomposes to emit toxic fumes of nitrogen and sulphur oxides.

Suitable extinguisher: Use extinguishing media appropriate to the surrounding fire conditions.

### 6. ACCIDENTAL RELEASE MEASURES

Personal protection: Complete eye and face protection and gloves

Leaks & spills: Sweep up spilled substance but avoid making dust. Transfer to a closable salvage container for disposal by an appropriate method or retain for recovery.

Clean-up procedures: Wash the spillage site with large amounts of water.

Cont.....

## 7. HANDLING AND STORAGE

Handling requirements: Wear eye protection and gloves and protective clothing. Wear a suitable dust mask if the situation demands.

Storage precautions: Store in a cool dry area. Keep away from bases and oxidising agents.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection: Complete eye and face protection and gloves.

Type: ORL-RAT LD50

Toxicity: 3150 mg/kg

## 9. PHYSICAL AND CHEMICALS PROPERTIES

Chemical formula:  $\text{NH}_2\text{SO}_2\text{H}$

Appearance and odour: White crystals or crystalline powder

Solubility: Soluble in cold water. More soluble in hot water.

Melting point/range°C: 205

## 10. STABILITY AND REACTIVITY

Avoid contact with: Bases and oxidising agents.

## 11. TOXICOLOGY INFORMATION

Health effect: Skin: May cause irritation to the skin. Prolonged contact may cause dermatitis.

Eyes: May cause irritation to eyes.

Inhalation: Irritating to mucous membranes and upper respiratory tract.

Ingestion: May be harmful if ingested in quantity.

## 12. ECOLOGICAL EFFECTS

Ecotoxicity: Data not available

Persistence: Data not available

Appraisal: Data not available

## 13. DISPOSAL CONSIDERATIONS

Waste disposal: Waste may be disposed of by dissolving in a suitable solvent and burning in a chemical incineration equipped with afterburner and scrubber. Large amounts are best dealt with by a specialist disposal company.

## 14. TRANSPORT INFORMATION

IMDG code

UN no: 2967

Packaging group: III

Class: 8

ADR/RID

Subst. ID no: 2967

Class + Item no: 8, 16(c)

IATA/ICAO

UN no: 2967

Cont.....

## **15. REGULATORY INFORMATION**

Classification: Irritant  
Risk phrases: R36/38: Irritating to eyes and skin.  
Safety phrases: S2: Keep out of 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 soap and water.

## **16. ADDITIONAL INFORMATION**

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Chemical Treatment Services Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.