

Material Safety Data Sheet

STAR POWDER ACID PRODUCT CODE: 00910015

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

Product name: STAR POWDER ACID

Use / description of product: Irritant. Solid.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient 1: SULPHAMIC ACID >90%

CAS: 5329-14-6

EINECS: 226-218-8

[Xi] R36/38; [N] R52/53;

Contains: Additional ingredients either non-hazardous or below concentration levels requiring classification under CHIP regulations.

3. HAZARDS IDENTIFICATION

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

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: It is unlikely that this substance will be swallowed due to its physical properties.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

4. FIRST AID MEASURES (ACTION)

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- Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.
- Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
- Ingestion:** Do not induce vomiting. If conscious, give 1 pint of water to drink immediately. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

5. FIRE-FIGHTING MEASURES

- Extinguishing media:** Carbon dioxide.
- Exposure hazards:** In combustion emits toxic fumes.
- Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions:** Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.
- Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.
- Clean-up procedures:** Mix with sand or vermiculite. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

7. HANDLING AND STORAGE

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Handling requirements: Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Avoid incompatible materials and conditions - see section 10 of SDS.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves.

Eye protection: Safety goggles.

Skin protection: Protective clothing with elasticated cuffs and closed neck. Boots made of PVC.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Solid

Colour: White

Odour: Odourless

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Slightly soluble

Melting point/range°C: 205

Relative density: 2.1

pH: 1.18 (1% soln.)

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions. Loses water of crystallisation on heating.

Conditions to avoid: Exposure to extreme heat.

Materials to avoid: Strong oxidising agents. Halogens. Strong bases. Avoid contact with products containing hypochlorite (bleach type products) as toxic Chlorine gas may be evolved.

Haz. decomp. products: In combustion emits toxic fumes of sulphur oxides.

11. TOXICOLOGICAL INFORMATION

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Toxicity: INHIBITED SULPHAMIC ACID
ORL RAT LD50 316mg/kg

12. ECOLOGICAL INFORMATION

Mobility: Soluble in water.

Persistence and degradability: No data available.

Other adverse effects: No data available.

13. DISPOSAL CONSIDERATIONS

Waste disposal: Arrange for collection by a specialised disposal company.

Disposal of packaging: Empty containers may contain hazardous residues

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

ADR / RID

UN no: 2967

ADR Class: 8

Hazard ID no: 80

Labelling: 8

Shipping name: SULPHAMIC ACID

IMDG / IMO

UN no: 2967

Class: 8

Packing group: III

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EmS: 8-08
Marine pollutant: NO
Labelling: 8

IATA / ICAO

UN no: 2967
Class: 8
Packing group: III
Packing instructions: 823
Quantity: 100 kg
Labelling: 8

15. REGULATORY INFORMATION

Hazard symbols: 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: S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S29/56: Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.



16. ADDITIONAL INFORMATION



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Additional information: This safety data sheet complies with the 28th adaption of E.C. directive 67/548/EEC, known in the U.K. as CHIP 3. Emergency Telephone - 07780 523769. No exposure controls have been set for the substances present in this product.

Risk phrases used in s.2: R36/38: Irritating to eyes and skin.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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. This company shall not be held liable for any damage resulting from handling or from contact with the above product.