

Material Safety Data Sheet

STAR ORGANIC INHIBITOR PRODUCT CODE: 00950001

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

Product name: STAR ORGANIC INHIBITOR

Use / description of product: Toxic. Liquid. The regulatory information is dependent upon the concentration limit of the specific substance.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient 1: SODIUM NITRITE 10-30%

CAS: 7632-00-0

EINECS: 231-555-9

[O] R8; [T] R25; [N] R50;

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

3. HAZARDS IDENTIFICATION

Main hazards: Toxic if swallowed. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: Irritation or pain may occur at the site of contact. Absorption through the skin may occur causing symptoms similar to those of ingestion.

Eye contact: There may be irritation and redness. There may be severe pain. Corneal burns may occur.

Ingestion: There may be difficulty swallowing. Inhalation of fumes from the stomach may cause symptoms similar to direct inhalation. Nausea and stomach pain may occur. There maybe vomiting. The breathing may become shallow and rapid. May cause dizziness. There may be loss of consciousness. Convulsions may occur.

Inhalation: There may be a feeling of tightness in the chest with shortness of breath. There may be loss of consciousness. Convulsions may occur.

4. FIRST AID MEASURES (ACTION)

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.

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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 conscious, ensure the casualty sits or lies down. 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: Product is not combustible. Use media suitable for material actually on fire.

Exposure hazards: Toxic.

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: Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

Clean-up procedures: Absorb into dry earth or sand. Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

7. HANDLING AND STORAGE

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.

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Respiratory protection: Respiratory protection, while not required under conditions of normal use, is recommended in case of major spillage or emergency.

Hand protection: Protective gloves.

Eye protection: Safety goggles. Ensure eye bath is to hand.

Skin protection: Protective clothing with elasticated cuffs and closed neck. Boots made of PVC. Ensure safety shower is to hand.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Straw.

Odour: Odourless

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Miscible

Relative density: 1.105

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pH: 8.5

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Exposure to extreme heat.

Materials to avoid: Reducing agents. Acids.

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

11. TOXICOLOGICAL INFORMATION

Effects of exposure: Irritating to eyes, skin and mucous membrane.

Routes of exposure: Inhalation, skin contact & ingestion

Toxicity: PWT 544

ORL RAT LD50 180mg/kg

Ingredient 1: SODIUM NITRITE

ORL RAT LD50 180mg/kg

12. ECOLOGICAL INFORMATION

Mobility: Soluble in water.

Persistence and degradability: Biodegradable.

Bioaccumulative potential: Slightly bioaccumulable.

Other adverse effects: Toxic to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Waste disposal: Arrange for collection by specialised disposal company.

Disposal of packaging: Arrange for collection by specialised disposal company. 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: 3287

ADR Class: 6.1

Hazard ID no: 60

Labelling: 6.1

Shipping name: TOXIC LIQUID, INORGANIC, N.O.S.

IMDG / IMO

UN no: 3287

Class: 6.1

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Packing group: III
EmS: 6.1-02
Marine pollutant: YES
Labelling: 6.1

IATA / ICAO

UN no: 3287
Class: 6.1
Packing group: III
Packing instructions: 618
Quantity: 220 L
Labelling: 6.1

15. REGULATORY INFORMATION

Hazard symbols: Toxic.

Dangerous for the environment.

Risk phrases: R25: Toxic if swallowed.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases: S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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

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 - 07967-745174

Risk phrases used in s.2: R8: Contact with combustible material may cause fire.

R25: Toxic if swallowed.

R50: Very toxic to aquatic organisms.

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.