



SAFETY DATA SHEET ASTRAL ANTI SCALE

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

PRODUCT NAME: ASTRAL ANTI SCALE
SUPPLIER: Astral Chemical Solutions Ltd
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2 COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients: NITRILOTRIACETIC ACID 10-30%
EINECS: 225-768-6 CAS: 18662-53-8
[Xn] R22; [Xi] R36

3 HAZARDS IDENTIFICATION

Main hazards: No significant hazard.

4 FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be mild irritation at the site of contact.
Eye contact: There may be irritation and redness.
Ingestion: There may be irritation of the throat.
Inhalation: No symptoms.

4 FIRST AID MEASURES (ACTION)

Skin contact: Wash immediately with plenty of soap and water.
Eye contact: Bathe the eye with running water for 15 minutes.
Ingestion: Wash out mouth with water.
Inhalation: Consult a doctor.

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5 FIRE FIGHTING MEASURES

- Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.
- 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:** Refer to section 8 of SDS for personal protection details. 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:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

7 HANDLING AND STORAGE

- Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.
- Suitable packaging:** Must only be kept in original packaging.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Respiratory protection:** Respiratory protection not required.
- Hand protection:** Protective gloves.
- Eye protection:** Safety glasses. Ensure eye bath is to hand.
- Skin protection:** Protective clothing.

9 PHYSICAL AND CHEMICAL PROPERTIES

- State:** Liquid
- Colour:** Yellow
- Odour:** Characteristic odour
- Oxidising:** Non-oxidising (by EC criteria)
- Solubility in water:** Soluble
- Relative density:** 1.12
- pH:** 12 - 13

10 STABILITY AND REACTIVITY

- Stability:** Stable under normal conditions.
- Conditions to avoid:** Heat.
- Materials to avoid:** Strong oxidising agents. Strong acids.
- Haz. decomp. products:** In combustion emits toxic fumes.

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11 TOXICOLOGICAL INFORMATION

Hazardous ingredients:	NITRILOTRIACETIC ACID ORL RAT LD50 1450 mg/kg
Routes of exposure:	Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12 ECOLOGICAL INFORMATION

Hazardous ingredients:	NITRILOTRIACETIC ACID FISH RAINBOW TROUT 96H LC50 98 mg/l
Mobility:	Readily absorbed into soil.
Persistence and degradability:	Biodegradable.
Bioaccumulative potential:	No bioaccumulation potential.
Other adverse effects:	Negligible ecotoxicity.

13 DISPOSAL CONSIDERATIONS

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

ADR / RID
IMDG / IMO
IATA / ICAO

15 REGULATORY INFORMATION

Hazard symbols:	No significant hazard.
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 OTHER INFORMATION

Risk phrases used in s.2:	R22: Harmful if swallowed. R36: Irritating to eyes.
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.