

SAFETY DATA SHEET

SDS ULTIMATE STAINLESS STEEL CLEANER

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

Product name: SDS ULTIMATE STAINLESS STEEL CLEANER

Product code: HC0926

Synonyms: HC0926 / SDS

Use of substance / preparation: Water based disinfectant and descaler. FOR PROFESSIONAL AND INDUSTRIAL USE ONLY.

Company name: STAINLESS STEEL DESIGN SERVICES LTD

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2. HAZARDS IDENTIFICATION

Main hazards: No significant hazard.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: SULPHAMIC ACID 10-30%

EINECS: 226-218-8 CAS: 5329-14-6

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

- ALKYL BENZYL AMMONIUM CHLORIDE 0-1%

EINECS: 270-325-2 CAS: 68424-85-1

[C] R34; [Xn] R21/22; [N] R50

- BRONOPOL (INN) <1%

EINECS: 200-143-0 CAS: 52-51-7

[Xn] R21/22; [Xi] R37/38; [Xi] R41; [N] R50

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.

[cont...]

Ingestion: Wash out mouth with water.

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. Water based product. Advice relates to dry residues after water has evaporated.

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. Wash the spillage site with large amounts of water.

7. HANDLING AND STORAGE

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

8. EXPOSURE CONTROLS / 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: Green

Odour: Barely perceptible odour

Evaporation rate: Slow

Solubility in water: Highly soluble

Viscosity: Non-viscous

Boiling point/range°C: 100

Melting point/range°C: 0

Relative density: 1.080

pH: 1.0

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Heat.

Materials to avoid: Strong oxidising agents. Strong bases.

Haz. decomp. products: In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: SULPHAMIC ACID
IPR RAT LDLO 100 mg/kg
ORL MUS LD50 1312 mg/kg
ORL RAT LD50 3160 mg/kg

- ALKYL BENZYL AMMONIUM CHLORIDE
ORL RAT LD50 398 mg/Kg
- BRONOPOL (INN)
ORL MUS LD50 270 mg/kg
ORL RAT LD50 180 mg/kg
SKN MUS LD50 4750 mg/kg
SKN RAT LD50 1600 mg/kg

Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

Hazardous ingredients: ALKYL BENZYL AMMONIUM CHLORIDE
DAPHNIA 48H EC50 0.02 mg/l
FISH FATHEAD MINNOWS 96H LC50 0.85 mg/l

Mobility: Readily absorbed into soil. Volatile. Soluble in water.

Persistence and degradability: Biodegradable. The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

Bioaccumulative potential: No bioaccumulation potential.

Other adverse effects: May cause long term adverse effects to aquatic organisms in continuous exposure conditions.

13. DISPOSAL CONSIDERATIONS

Disposal of packaging: Dispose of as normal industrial waste. Clean with water.

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

14. TRANSPORT INFORMATION

ADR / RID

Shipping name: Not classed as hazardous for transport.

IMDG / IMO**IATA / ICAO****15. REGULATORY INFORMATION**

Hazard symbols: No significant hazard.

Safety phrases: S2: Keep out of the reach of children.
S24/25: Avoid contact with skin and eyes.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39: Wear suitable gloves and eye / face protection.
S46: If swallowed, seek medical advice immediately and show this container or label.

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

Other information: This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006.

Detergent Regulations EC648/2004, the product contains amongst other ingredients:-

Amphoteric surfactants <5%

Cationic surfactants <5%

Phosphonates <5%

Disinfectants

IMPORTANT NOTE:

Risk phases in this section below relate to the INDIVIDUAL COMPONENTS in the formulation when used at their FULL CONCENTRATIONS, and not at the reduced levels in the mixed product.

See sections 2 and 15 for the calculated hazard and risk phrases for the blended product.

Risk phrases used in s.3: R36/38: Irritating to eyes and skin.
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R34: Causes burns.
R21/22: Harmful in contact with skin and if swallowed.
R50: Very toxic to aquatic organisms.
R37/38: Irritating to respiratory system and skin.
R41: Risk of serious damage to eyes.

Legal disclaimer: For professional and industrial use only. 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.