

Material Safety Data Sheet

STAR ULTRASONIC MULTICLEANER PRODUCT CODE: 00910025

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

Product name: STAR ULTRASONIC MULTICLEANER
Use/ description of product: LOW FOAM GENERAL PURPOSE CLEANER
CONCENTRATE Liquid. Irritant. The regulatory information is dependent upon the concentration limit of the specific substance.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient 1: ANIONIC SURFACTANT (R136) <10%
CAS: 68609-93-8
[Xi] R36/38;

Ingredient 2: 2-BUTOXYETHANOL <10%
CAS: 111-76-2
EINECS: 203-905-0
[Xn] R20/21/22; [Xi] R36/38;

Ingredient 3: PROPAN-2-OL <10%
CAS: 67-63-0
EINECS: 200-661-7
[F] R11; [Xi] R36; [-] R67;

Ingredient 4: TRISODIUM PHOSPHATE <10%
CAS: 7601-54-9
EINECS: 231-509-8
[Xi] R36/38;

Ingredient 5: SODIUM HYDROXIDE <10%
CAS: 1310-73-2
EINECS: 215-185-5
[C] R35;

Ingredient 6: SODIUM CARBONATE <10%
CAS: 497-19-8

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EINECS: 207-838-8
[Xi] R36;
Ingredient 7: METHANOL <10%
CAS: 67-56-1
EINECS: 200-659-6
[F] R11; [T] R23/24/25; [T] R39/23/24/25;

3. HAZARDS IDENTIFICATION

Main hazards: Irritating to eyes and skin.

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: Nausea and stomach pain may occur. There may be vomiting. There may be loss of consciousness. Convulsions may occur.

Inhalation: Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath. There may be loss of consciousness. Convulsions may occur.

4. FIRST AID MEASURES (ACTION)

Skin contact: In case of contact, immediately flush skin copiously with water for at least 15 minutes while removing contaminated clothing and shoes.

Eye contact: In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Obtain medical attention immediately.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen if available.

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5. FIRE-FIGHTING MEASURES

Extinguishing media: Carbon dioxide. Alcohol or polymer foam. Dry chemical powder.

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: Absorb into dry earth or sand. If inside, transfer outside of building in suitable containers.

For small spills, absorb on to paper and allow to evaporate in a fume cupboard. Wash the spillage site with large amounts of water.

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.

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.

Skin protection: Protective clothing to prevent extended contact with skin. Boots made of PVC.

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9. PHYSICAL AND CHEMICAL PROPERTIES

State:	Liquid
Colour:	Yellow-brown
Odour:	Characteristic odour
Oxidising:	Non-oxidising (by EC criteria)
Solubility in water:	Miscible in all proportions
Boiling point/range°C:	>100
Relative density:	1.054
pH:	13.5

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to avoid:	Sub zero temperatures - product may freeze
Materials to avoid:	Strong acids.

11. TOXICOLOGICAL INFORMATION

Ingredient 2:	2-BUTOXYETHANOL ORL RAT LD50 470mg/kg
Ingredient 3:	PROPAN-2-OL ORL RAT LD50 5045mg/kg
Ingredient 4:	TRISODIUM PHOSPHATE ORL RAT LD50 7400mg/kg
Ingredient 5:	SODIUM HYDROXIDE IPR MUS LD50 40mg/kg
Ingredient 7:	METHANOL ORL RAT LC50 5628mg/kg

12. ECOLOGICAL INFORMATION

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Mobility: Soluble in water.
Persistence and degradability: Biodegradable.
Bioaccumulative potential: No bioaccumulation potential.

13. DISPOSAL CONSIDERATIONS

Waste disposal: Arrange for collection by specialised disposal company.
NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

ADR / RID

IMDG / IMO

IATA / ICAO

15. REGULATORY INFORMATION

Hazard symbols: Irritant.
Risk phrases: R36/38: Irritating to eyes and skin.
Safety phrases: S2: Keep out of the reach of children.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.
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.

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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: R36/38: Irritating to eyes and skin.

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

R11: Highly flammable.

R36: Irritating to eyes.

R67: Vapours may cause drowsiness and dizziness.

R35: Causes severe burns.

R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

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.