

1 IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Product name : Star brite Boat Bottom Cleaner- 922XX
 Application : Boat maintenance. Cleaner

Manufacturer : Star brite Distributing, Inc.
 Address : 4041 S W 47 Avenue
 Ft. Lauderdale, FL 33314, USA
 Telephone : +001- 954-587-6280

Distributor : Star brite Europe Inc.
 Contact : Jean Paul Kitzinger

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EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:



: 001-703-527-3887 - CHEMTREC

2 COMPOSITION / INFORMATION ON CONSTITUENTS

Product description : Preparation.

Information on hazardous substances:

EC-name	Concentration (w/w) (%)	CAS-number	EC-number	Symbols	R-phrases
Hydrochloric acid	5 – 10	7647-01-0	231-595-7	C	34-37
Oxalic acid	1 – 5	144-62-7	205-634-3	Xn	21/22

Reference is made to chapter 16 for full text of each relevant R phrase. Occupational exposure limit(s), if relevant, are listed in section 8.

3 HAZARD INFORMATION

Classification : Irritant.

Human health hazards : Irritating to eyes and skin.
 Physical/chemical hazards : Reacts vigorously in contact with bases. Strong heat development possible.

Environmental hazards : Not classified as dangerous on the basis of statutory EC-Directives. See also section 12.

Other information : Keep out of reach of children. If swallowed, seek medical advice immediately and show this container or label.

4 FIRST AID MEASURES

Effects and symptoms

Inhalation : May cause headache, dizziness and a feeling of sickness.
 Skin contact : Irritant. May cause dry skin and redness.
 Eye contact : Irritant. May cause redness and pain.
 Ingestion : May cause a feeling of sickness, vomiting, stomachache and diarrhoea.

First aid measures

Inhalation : Move victim into fresh air. Seek medical advice if victim feels unwell.
 Skin contact : Immediately take off contaminated clothing. Wash off skin with plenty of water before product dries up. Consult a doctor if irritation persists.
 Eye contact : Wash out with (lukewarm) water for at least 15 minutes. Remove contact lenses. Consult a doctor.
 Ingestion : Do not induce vomiting. Rinse the mouth and give water. Do not give milk. Never give anything by mouth to an unconscious person. Consult a doctor immediately.

5 FIRE FIGHTING MEASURES



MATERIAL SAFETY DATA SHEET

Extinguishing media
 Suitable : CO2, foam, water fog or dry chemical.
 Not suitable : None known.
 Special exposure hazards : None known.
 Hazardous thermal (de)composition products : Carbon monoxide may be evolved if incomplete combustion occurs. Combustion products are toxic.
 Special protective equipment for fire-fighters : Use self-contained breathing apparatus/ compressed air mask.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions : Danger of slipping. Clean up spills immediately. Wear shoes with nonslip soles. See also section 8.
 Environmental precautions : Avoid release of product into sewers and surface water and/or ground water. Large scale discharge causing a very low pH may impair the biological system in sewage plants. Inform the official bodies if necessary.
 Methods for cleaning up : Collect spilled material in containers. Dispose at an authorised waste collection point. Carefully neutralise residues with soda. Collect neutralized product in containers and dispose as chemical waste. Wash away remainder with plenty of water.

7 HANDLING AND STORAGE

Handling : Handle in accordance with good occupational hygiene and safety practices in well ventilated areas. Avoid splashing. Avoid contact with eyes and skin. Wear industrial clothing.
 Storage : Keep frost-free, in a cool (< 35°), dry and well-ventilated place. Keep away from food, drink and animal feeding stuffs.
 Recommended packaging : Keep only in the original container.
 Use : Use only as directed.

8 EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering measures : Use only in well-ventilated areas. Comply with standard precautionary measures for working with chemicals.
 Hygienic measures : Do not eat, drink or smoke during use.
 Occupational exposure limits : Occupational exposure limits have not been established for this product.

Workplace exposure limits (mg/m³):

Chemical name		EC	UK		
Hydrogen chloride (gas and aerosol mists)	TWA 8 hour	-	2		
	STEL 15 min	-	8		
Oxalic acid	TWA 8 hour	-	1		
	STEL 15 min	-	2		

Personal protective equipment:

The efficiency of personal protective equipment depends among other things on temperature and degree of ventilation. Always get professional advice for the particular local situation.

Body protection : Use of specific protective industrial clothing is not required for momentary use. See also under additional information.
 Respiratory protection : Take care of sufficient ventilation. Wear a gas filter type AB (brown/grey), class I or higher on e.g. a facemask in accordance with EN 140, in case of large scale exposure
 Hand protection : Wear appropriate safety gloves. See also under additional information.
 Eye protection : Wear appropriate safety glasses with side shields, in accordance with EN 166.

Additional information:

Protective clothing : Wear neoprene protective clothing, overalls or suit, and similar boots in accordance with EN 365/367 resp. 345, in case of frequent or prolonged use and in case of large scale exposure.
 Safety gloves : Wear neoprene gloves. Indication of permeation breakthrough time: non permeable (hydrochloric acid, oxalic acid)

Product residues : Do not dispose empty pack with regular household waste. Treat product residues and non empty pack as hazardous waste.

European waste catalogue : Dispose hazardous waste in accordance with Directive 91/689/EEC under acknowledgement of a waste code according to Commission Decision 2000/532/EC to an official chemical waste depot.

Comment : Attention is drawn to the possible existence of mandatory and regulatory communal, national or local requirements governing disposal of waste.

14 TRANSPORT

UN number : None
 Transport name : Not regulated.

Land - Road/Railway
 ADR/RID class : This product is not classified according to ADR/RID.

Water
 IMDG class : This product is not classified according to IMDG.
 Marine pollutant : No

Air
 IATA class : This product is not classified according to IATA.

15 REGULATORY INFORMATION

Community regulations : EC classification (67/548/EEC - 99/45/EC) and other regulations

Hazard symbols : Xi, irritant



R- and S-phrases : R36/38 Irritating to eyes and skin.
 : S2 Keep out of reach of children.
 : S46 If swallowed, seek medical advice immediately and show this container or label.

Other information : Not applicable.

16 OTHER INFORMATION

The information in this safety data sheet is compiled in compliance with Directive 2001/58/EC dated 27 July 2001 and accurate to the best of our knowledge and experience at the date of issue specified. It is the user's obligation to use this product safely and to comply with all applicable laws and regulations concerning the use of the product. This safety data sheet complements the technical information sheets but does not replace them and offers no warranty with regard to product properties.

Users are also forewarned for any hazards involved when the product is used for other purposes than those for which it is designed.

Changed or new information with regard to the previous release is indicated with an asterisk (*).

Full text of R-phrases mentioned in section 2:

R21/22 Harmful in contact with skin and if swallowed.
 R34 Causes burns.
 R37 Irritating to respiratory system.

History

Date of first issue : 21-11-2005