



SAFETY DATA SHEET

Boat Magic®

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200.

1. Identification

Product identifier

Product name Boat Magic®

Product number BHA128, BHA32

Synonyms; trade names The User Friendly Hull & Outdrive Cleaner!™

Recommended use of the chemical and restrictions on use

Application Hull and outdrive cleaner.

Details of the supplier of the safety data sheet

Manufacturer MICROCARE, LLC
6120 E 58th Ave
Commerce City, CO 80022
United State of America
www.microcare.com/certol
Tel: +1 303 799 9401 Toll Free +1 800 843 3343

Emergency telephone number

Emergency telephone INFOTRAC 1-800-535-5053 (U.S.A. and CANADA)
1-352-323-3500 (from anywhere in the world)

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Met. Corr. 1 - H290

Health hazards Acute Tox. 4 - H332 Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335

Environmental hazards Not Classified

Label elements

Hazard symbols



Signal word Danger

Hazard statements H290 May be corrosive to metals.
H332 Harmful if inhaled.
H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.

Boat Magic®

Precautionary statements	<p>P234 Keep only in original container.</p> <p>P260 Do not breathe dust.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.</p> <p>P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.</p> <p>P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.</p> <p>P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310 Immediately call a poison center/ doctor.</p> <p>P312 Call a poison center/ doctor if you feel unwell.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P363 Wash contaminated clothing before reuse.</p> <p>P390 Absorb spillage to prevent material damage.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P406 Store in corrosive resistant container with a resistant inner liner.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
---------------------------------	--

Contains Hydrochloric Acid, Lactic Acid

3. Composition/information on ingredients

Mixtures

Hydrochloric Acid CAS number: 7647-01-0	Proprietary
Lactic Acid CAS number: 79-33-4	Proprietary

Composition

4. First-aid measures

Description of first aid measures

Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration. Call a doctor or Poison Control Center immediately.
Ingestion	Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor or Poison Control Center immediately.
Skin Contact	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Wash clothing and clean shoes thoroughly before reuse. Get medical attention if any discomfort continues. Get medical attention if symptoms are severe or persist.
Eye contact	Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately. Continue to rinse.

Most important symptoms and effects, both acute and delayed

Inhalation	Spray/mists may cause respiratory tract irritation.
Ingestion	May cause chemical burns in mouth and throat.
Eye contact	Exposed individuals may experience eye tearing, redness, and discomfort.

Boat Magic®

Indication of immediate medical attention and special treatment needed

Notes for the doctor Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media None known.

Special hazards arising from the substance or mixture

Specific hazards In contact with some metals can generate hydrogen gas, which can form explosive mixtures with air. Corrosive gases or vapors.

Hazardous combustion products Hydrogen chloride (HCl).

Advice for firefighters

Protective actions during firefighting As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions For personal protection, see Section 8.

For non-emergency personnel Restrict access to spill area. Ventilate area.

Environmental precautions

Environmental precautions Avoid the spillage or runoff entering drains, sewers or watercourses.

Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if safe to do so. Neutralize spilled material with crushed limestone, slaked lime (calcium hydroxide), soda ash (sodium carbonate) or sodium bicarbonate. After removal, flush contaminated area thoroughly with water.

7. Handling and storage

Precautions for safe handling

Usage precautions Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid breathing gas, fume, vapours or spray. Use only in well-ventilated areas. Keep out of the reach of children.

Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Protect from freezing and direct sunlight. Keep away from heat. Store away from incompatible materials (see Section 10). Store in tightly-closed, original container in a well-ventilated place. Store at temperatures above 0°C/32°F.

8. Exposure controls/Personal protection

Control parameters

Occupational exposure limits

Hydrochloric Acid

Boat Magic®

Ceiling exposure limit: OSHA 5 ppm 7 mg/m³

Ceiling exposure limit: ACGIH 2 ppm 2.98 mg/m³

A4

OSHA = Occupational Safety and Health Administration.

ACGIH = American Conference of Governmental Industrial Hygienists.

A4 = Not Classifiable as a Human Carcinogen.

Exposure controls

Appropriate engineering controls	Provide eyewash station.
Eye/face protection	Wear tight-fitting, chemical splash goggles or face shield.
Other skin and body protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practices.
Respiratory protection	No specific requirements are anticipated under normal conditions of use. If ventilation is inadequate, suitable respiratory protection must be worn.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Liquid
Color	Colorless to pale yellow.
Odor	Characteristic.
pH	pH (concentrated solution): <1
Melting point	Not available.
Initial boiling point and range	100°C/212°F
Flash point	Not available.
Evaporation rate	< 1
Flammability (solid, gas)	N/A-liquid
Vapor pressure	Not available.
Vapor density	> 1
Relative density	1.11 @ 15.5°C/60°F
Solubility(ies)	Completely soluble in water.
Partition coefficient	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	Not available.
Explosive properties	Not available.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidizing properties	Not available.

10. Stability and reactivity

Boat Magic®

Reactivity	Not reactive under normal conditions.
Stability	Stable under the prescribed storage conditions.
Possibility of hazardous reactions	Reacts with carbon steel, aluminum, and cooper. Aldehydes and epoxides in the presences of HCl will cause hazardous polymerization.
Conditions to avoid	Avoid exposure to high temperatures or direct sunlight. Avoid freezing.
Materials to avoid	Alkalis. Strong oxidizing agents. Acetic anhydride. Oleum. Amines. Vinyl acetate. Cyanides. Chlorine bleach.
Hazardous decomposition products	HCl gas evolved from heating; hydrogen gas evolved by reaction.

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 4,426.63

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 14.76

Toxicological information on ingredients.

Hydrochloric Acid

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 900.0

Species Rabbit

ATE oral (mg/kg) 900.0

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 3.0

Carcinogenicity

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

Citric Acid

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 10,000.0

Species Rat

ATE oral (mg/kg) 10,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 20,000.0

Species Rabbit

Boat Magic®

ATE dermal (mg/kg) 20,000.0

12. Ecological information

Ecotoxicity	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
<u>Persistence and degradability</u>	
Persistence and degradability	No data available.
<u>Bioaccumulative potential</u>	
Bio-Accumulative Potential	Not available.
Partition coefficient	Not available.
<u>Mobility in soil</u>	
Mobility	No data available.
<u>Other adverse effects</u>	
Other adverse effects	No data available. Because of the low pH of this product, it would be expected to produce ecotoxicity upon exposure to aquatic systems and aquatic organisms. Most aquatic species do not tolerate pH lower than 5.5 for any extended period.

13. Disposal considerations

Waste treatment methods

General information	The generation of waste should be minimized or avoided wherever possible. Restrict access to spill area. Ventilate area. For large spills: Absorb with inert material. Neutralize spilled material with crushed limestone, slaked lime (calcium hydroxide), soda ash (sodium carbonate) or sodium bicarbonate. After removal, flush contaminated area thoroughly with water. Do not allow runoff to sewer, waterway or ground. Final CERCLA RQ: 5000 lbs
Disposal methods	Dispose of contents/container in accordance with national regulations. Dispose of contents/container in accordance with regional regulations. Dispose of contents/container in accordance with local regulations. Avoid the spillage or runoff entering drains, sewers or watercourses.

14. Transport information

UN Number

UN No. (IMDG) 1760

UN No. (ICAO) 1760

UN proper shipping name

Proper shipping name (TDG) LIMITED QUANTITY

Proper shipping name (IMDG) CORROSIVE LIQUID, N.O.S. (Hydrochloric Acid), 8, PG III

Proper shipping name (ICAO) CORROSIVE LIQUID, N.O.S. (Hydrochloric Acid), 8, PG III

Proper shipping name (DOT) LIMITED QUANTITY

Transport hazard class(es)

IMDG Class 8

ICAO class/division 8

Packing group

Boat Magic®

IMDG packing group III

ICAO packing group III

Environmental hazards

Environmentally Hazardous Substance

No.

Special precautions for user

EmS F-A, S-B

DOT reportable quantity RQ: Hydrogen chloride (24592.3813 lbs)

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78
and the IBC Code

15. Regulatory information

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

The following ingredients are listed:

Hydrochloric Acid

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

The following ingredients are listed:

Hydrochloric Acid

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

The following ingredients are listed:

Hydrochloric Acid

SARA 313 Emission Reporting

The following ingredients are listed:

Hydrochloric Acid

Malic Acid

CAA Accidental Release Prevention

The following ingredients are listed:

Hydrochloric Acid

SARA (311/312) Hazard Categories

Reactivity

Acute

Chronic

OSHA Highly Hazardous Chemicals

The following ingredients are listed:

Hydrochloric Acid

US State Regulations

California Air Toxics "Hot Spots" (A-I)

The following ingredients are listed:

Hydrochloric Acid

Boat Magic®

California Directors List of Hazardous Substances

The following ingredients are listed:

Hydrochloric Acid

Massachusetts "Right To Know" List

The following ingredients are listed:

Hydrochloric Acid

Rhode Island "Right To Know" List

The following ingredients are listed:

Hydrochloric Acid

Minnesota "Right To Know" List

The following ingredients are listed:

Hydrochloric Acid

New Jersey "Right To Know" List

The following ingredients are listed:

Hydrochloric Acid

Pennsylvania "Right To Know" List

The following ingredients are listed:

Hydrochloric Acid

Inventories

Canada - DSL/NDSL

DSL

US - TSCA

All the ingredients are listed or exempt.

16. Other information

Revision date	7/6/2022
Revision	9
Supersedes date	6/28/2022
SDS No.	INDUSTRIAL-BHA-109
Hazard statements in full	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. H332 Harmful if inhaled. H335 May cause respiratory irritation.
NFPA - health hazard	Extremely hazardous, serious injury. (3)
NFPA - flammability hazard	Will not burn. (0)
NFPA - instability hazard	Normally stable. (0)

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.