

Ditec Marine Products LLC
SAFETY DATA SHEET



Section 1: Identification

Product Name: Hull & Bottom Cleaner Product Code:H005774

Ditec Marine Products, LLC
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Tel: 1 800 572 4390

Emergency Phone:
CHEMTREC: Canada and USA - (800) 424-9300
CHEMTREC: In Mexico - 01-800-681-9531

Product Use: Hull and Bottom Cleaner for Ships
Not recommended for: NA

Section 2: Hazard(s) Identification

GHS Ratings:

Corrosive to metals	1	Corrosive to metals
Skin corrosive	1A	Destruction of dermal tissue: Exposure < 3 min. Observation < 1 hour, visible necrosis in at least one animal
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5

GHS Hazards

H290	May be corrosive to metals
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage

GHS Precautions

P234	Keep only in original container
P260	Do not breathe dust/fume/gas/mist/vapors/spray
P264	Wash face, hands, and any exposed skin thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection
P310	Immediately call a POISON CENTER or doctor/physician
P321	Specific treatment (see first aid treatment on SDS)
P363	Wash contaminated clothing before reuse
P390	Absorb spillage to prevent material damage
P301+P330+P331	If swallowed: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	If on skin (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P304+P340	If inhales: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P405	Store locked up
P406	Store in a corrosive resistant container with a resistant inner liner
P501	Dispose of contents/container in accordance with local/regional/national/international regulations

Danger



Section 3: Composition/Information on Ingredients

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Inorganic Salt 20% - 30%			
Hydrogen chloride 7647-01-0 5% - 10%		2 ppm Ceiling	NIOSH: 5 ppm Ceiling; 7 mg/m3 Ceiling
Trade Secret 1% - 5%			

Section 4: First-aid Measures

Inhalation

Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention. To prevent aspiration, keep head below knees.

Eye Contact

Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting and lowering upper lids. Get medical attention promptly.

Skin Contact

Remove contaminated clothing. Wash skin with soap and water. Get medical attention. Wash clothing separately and clean shoes before reuse.

Ingestion

If swallowed, do NOT induce vomiting. Give victim a glass of water. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Section 5: Fire-fighting Measures

Extinguishing Media

Foam. Dry powder. Carbon dioxide. Water spray. Sand. Do not use a heavy water stream.

Specific Hazards Arising from the Chemical Thermal decomposition generates : Corrosive vapors.

Special Protective Equipment and Precautions for Firefighters

Special Information: As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

Spill and Leak Procedures

Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

Section 7: Handling and Storage
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Handling Procedures

Use with adequate ventilation. Avoid breathing dusts, mists, and vapors. Do not get in eyes, on skin, or on clothing. Wear eye protection and protective clothing. Wash thoroughly after handling.

Storage Requirements

Store containers in a cool, dry, well ventilated place. Keep container closed when not in use.

Section 8: Exposure Control/Personal Protection
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Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Inorganic Salt			
Hydrogen chloride 7647-01-0		2 ppm Ceiling	NIOSH: 5 ppm Ceiling; 7 mg/m3 Ceiling
Trade Secret N/A			

ENGINEERING CONTROLS: Provide ventilation sufficient to maintain exposure below the recommended limits.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant the use of a respirator.

SKIN PROTECTION: Wear impervious protective gloves. Wear protective gear as needed - apron, suit, boots.

EYE PROTECTION: Wear safety glasses with side shields (or goggles) and a face shield.

OTHER PROTECTIVE EQUIPMENT: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

HYGENIC PRACTICES: Do not eat, drink, or smoke in areas where this material is used. Avoid breathing vapors. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Wash hands before eating.

Section 9: Physical and Chemical Properties
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<p>Appearance: Clear slightly yellow liquid</p> <p>Vapor Pressure: Not Available</p> <p>Vapor Density: Not Available</p> <p>Density: Not Available</p> <p>Freezing point: Not Available</p> <p>Boiling range: 85 to 100 °C</p> <p>Evaporation rate: Not Available</p>	<p>Odor: Not Available</p> <p>Odor threshold: Not Available</p> <p>pH: <1.0</p> <p>Melting point: Not Available</p> <p>Solubility: Soluble</p> <p>Flash point: Not Available</p> <p>Flammability: Not Available</p>
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Explosive Limits: Not Available Autoignition temperature: Not Available Viscosity: Not Available	Specific Gravity 1.190 Decomposition temperature: Not Available Grams VOC less water: Not Available
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Section 10: Stability and Reactivity

Chemical Stability:

STABLE

Incompatible Materials

metals, cyanides, Strong bases.

Conditions to Avoid

Direct sunlight. Extremely high or low temperatures.

Hazardous Decomposition Products

Hydrogen chloride. Thermal decomposition generates : Corrosive vapors .

Hazardous Polymerization

Hazardous polymerization will not occur.

Section 11: Toxicology Information

Mixture Toxicity

Oral Toxicity LD50: 3,206mg/kg

Inhalation Toxicity LC50: 23mg/L

Component Toxicity

Routes of Entry:

Inhalation

Ingestion

Skin contact

Eye contact

Target Organs

Eyes Skin Respiratory System

Effects of Overexposure

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
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Section 12: Ecological Information

Component Ecotoxicity

Section 13: Disposal Considerations

Dispose of in accordance with local state and federal regulations.

Section 14: Transportation Information

UN Code: UN1789

Proper Shipping Name: Hydrochloric acid

Hazard Class: 8

Packing Group: II

DOT Vessel Stowage Location : C - The material must be stowed "on deck only" on a cargo vessel and on a passenger vessel .

Section 15: Regulatory Information

CERCLA/SARA Hazardous Substances

7647-01-0 Hydrogen chloride

DEA List I and II Chemicals

7647-01-0 Hydrogen chloride

OSHA Process Safety Management Highly Hazardous Chemicals

7647-01-0 Hydrogen chloride

U.S. Clean Air Act Toxic and Flammable Substances

7647-01-0 Hydrogen chloride

SARA 313

7647-01-0 Hydrogen chloride

TSCA 8(b) Inventory

7647-01-0 Hydrogen chloride

Inorganic Salt

Country

Regulation

All Components Listed

Section 16: Other Information

Date Prepared: 4/30/2020

Disclaimer

The information herein is believed to be correct, but does not claim to be all inclusive and should be used only as a guide. Neither the above named supplier nor any of its affiliates or subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All chemical reagents must be handled with the recognition that their chemical, physiological, toxicological, and hazardous properties have not been fully investigated or determined. All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist. Our SDS are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated SDS for products that are stored for extended periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective goggles, protective clothing, breathing equipment, face mask, fume hood). For proper handling and disposal, always comply with federal, state and local regulations.

SDS for: 1.H005774.1GBulk.std.1