

**AURORA MARINE INDUSTRIES INC.****Safety Data Sheet  
ALGAE STRIP**

Version No: 1 Revision Date: 01-02-2015

**1. Identification of the preparation and company**

**Preparation/Product Name** ALGAE STRIP  
**Product Code** 01150  
**Intended Use** Algae, mussel, barnacle remover for fiberglass boats.  
**Application Method** Roll on-Rinse off  
**Company Name** Aurora Marine Industries Inc.  
 7015 Ordan Drive, Unit 11  
 Mississauga, Ontario  
 L5T 1Y2  
 Canada  
**Telephone No.** 905-564-4995  
**Fax No.** 905-564-4956  
**24 hour Emergency Telephone No.-** 613-996-6666/\*6666(cellular)  
**Poisons Information Centre New Zealand: 0800 764 766**

**2. Hazard Identification of the product**

Classification According to Hazardous Substances Regulations 2001 (New Zealand): HAZARDOUS SUBSTANCE

**HSNO Classification (New Zealand):**

8.2B Substances that are corrosive to dermal tissue  
 8.3A Substances that are corrosive to ocular tissue  
 8.1A Corrosive to metals  
 6.1E Substance that is acutely toxic (inhalation).  
 6.1D (oral) Acutely toxic  
 9.3C Harmful to terrestrial vertebrates

**Globally Harmonized System (GHS) classification:**

Skin corrosion/irritation, Category 1B, H314  
 Eye Damage - Category 1  
 Specific Target Organ Toxicity - Single exposure: Respiratory tract irritation, Category 3, H335  
**SIGNAL WORD: DANGER**

**PICTOGRAM:****Hazard statements:**

H302 Harmful if swallowed.  
 H314 Causes severe skin burns and eye damage.  
 H318 Causes serious eye damage.  
 H290 May be corrosive to metals.  
 H333 May be harmful if inhaled.  
 H335: May cause respiratory irritation.  
 H433 Harmful to terrestrial vertebrates.

**Prevention Statements:**

P102 Keep out of reach of children.  
 P103 Read label before use.  
 P234 Keep only in original container.  
 P260 Do not breathe dust/fume/gas/mist/vapours/spray  
 P264 Wash hands thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protections.

**Response Statements:**

P101 If medical advice is needed, have product container or label at hand  
 P304+P340+P312 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.  
 P301+P330+P331+312 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.  
 P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 P363 Wash contaminated clothing before reuse  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 Immediately call a POISON CENTER or doctor/physician.  
 P390 Absorb spillage to prevent material damage.

**Storage Statements:**

P405 Store locked up.

**Disposal Statements:**

P501 Dispose of waste material through a licensed contractor or facility.

**3. Composition/Information on ingredients**

Components	CAS Number	Proportion	Hazard Codes
Hydrochloric Acid	-	10%-30%	H314, H 335
Ingredients determined not to be hazardous	-	>70%	NA

#### 4. First aid measures

**Inhalation:**

Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If patient finds breathing difficult and develops a bluish discoloration of the skin (which suggests a lack of oxygen in the blood - cyanosis), ensure airways are clear of any obstruction and have a qualified person give oxygen through a face mask. Apply artificial respiration if patient is not breathing. Seek immediate medical advice.

**Skin Contact:**

If spilt on large areas of skin or hair, immediately drench with running water and remove clothing. Continue to wash skin and hair with plenty of water (and soap if material is insoluble) until advised to stop by the Poisons Information Centre or a doctor.

**Eye Contact:**

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre or a doctor, or for at least 15 minutes. Continue to wash with large amounts of water until medical help is available.

**Ingestion:**

Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Seek immediate medical assistance.

**Indication of immediate medical attention and special treatment needed:**

Treat symptomatically. Can cause corneal burns.

#### 5. Fire-fighting measures

**Suitable Extinguishing Media:**

Not combustible, however, if material is involved in a fire use: Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).

**Specific hazards arising from the substance or mixture:**

Non-combustible material.

**Special protective equipment and precautions for fire-fighters:**

Decomposes on heating emitting toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition. Heating can cause expansion or decomposition of the material, which can lead to the containers exploding. If safe to do so, remove containers from the path of fire.

#### 6. Accidental release measures

Recover for use if possible.

Ventilate the area. Avoid release to the environment

Absorb spillage to prevent material damage.

Dispose of according to regulations.

#### 7. Handling and storage

**Handling-** Protect container from physical damage. Corrosive liquid. Attacks skin and eyes. May produce severe burns. Wear suitable protective clothing, gloves and eye/face protection when mixing or using. Use in a well ventilated area. Do not store or use in confined spaces. Avoid breathing in spray, mists or vapours. Avoid eye contact. Avoid prolonged contact with the skin. Any exposure without protection should be prevented. Do not take internally. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking, smoking or using toilet facilities.

**In Storage-** Keep only in original container. Store in cool dry well ventilated area, Do not freeze, keep container closed & away from heat.

#### 8. Exposure controls and personal protection

**Engineering Measures**

N.A.

**Exposure Limits**

NA

**Personal Protection****Respiratory Protection**

Use air -purifying respirator.

**Eye Protection -**

Wear safety glasses or splash proof goggles.

**Hand Protection -**

Wear rubber or plastic gloves.

**Skin Protection-**

Wear safety clothing, impervious to this material.

#### 9. Physical and chemical properties

**Physical State-**

liquid

**Flash Point (deg C)-.**

N.A.

**Viscosity (cSt)-**

1.012cP

**Specific Gravity-**

1.122

**Vapour Density-**

N.A.

**Lower Explosive Limit-**

N.A.

**Solubility in Water-**

soluble

**Freezing point-**

<0°C

**pH**

<1

#### 10. Stability and reactivity

Stable under recommended storage and handling conditions (see section 7).

Do not mix with alkalis & active metals.

Incompatible materials: Incompatible with alkalis , oxidizing agents , sodium hypochlorite , cyanides , and many metals.

Hazardous decomposition products: Hydrogen chloride

**11. Toxicological information**

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

**Ingestion:** Swallowing can result in nausea, vomiting, diarrhea, abdominal pain and chemical burns to the gastrointestinal tract.

**Eye contact:** A severe eye irritant. Corrosive to eyes; contact can cause corneal burns. Contamination of eyes can result in permanent injury.

**Skin contact:** Contact with skin will result in severe irritation. Corrosive to skin - may cause skin burns.

**Inhalation:** Breathing in mists or aerosols will produce respiratory irritation.

Acute toxicity: No LD50 data available for the product.

However, for constituent(s) HYDROGEN CHLORIDE: Oral LD50 (rabbit): 900 mg/kg. Inhalation LC50 (rat): 3124 ppm/1h.

**12. Ecological information**

There are no data available on the product itself.

**13. Disposal considerations**

Wastes and empty containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act. When using information provided in this data sheet advice should be obtained from the Waste Regulation Authority, as to whether the special waste regulations apply.

Dispose of waste material through a licensed contractor or facility.

**14. Transport information**

Road & Rail Transport		Air Transport	
<b>UN No.</b>	(CONSUMER COMMODITY) RETAIL DISTRIBUTION LOAD	<b>UN No.</b>	1789
<b>Hazard Class:</b>		<b>Hazard Class:</b>	8
<b>Packing Group</b>		<b>Packing Group</b>	II
<b>Shipping Name</b>		<b>Shipping Name</b>	Hydrochloric acid solution
<b>Marine Pollutant</b>		<b>Marine Pollutant</b>	No

*Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations*

**15. Regulatory information****Regulatory Information:**

To the manufacturer's best knowledge, all ingredients are listed on, or exempt from, the **New Zealand Inventory of Chemicals (NZIoC)**.

**HSNO Group Standard: Cleaning Products (Corrosive)**

**HSNO Approval Number: HSR002526**

**16. Other information**

**Date of preparation or revision of the safety data sheet;** January 20, 2014

**Acronyms:**

**ADG Code:** Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)

**NZIoC:** New Zealand Inventory of Chemicals

**HSNO:** Hazardous Substances & New Organisms

**CAS number:** Chemical Abstracts Service Registry Number

**Hazchem Code:** Emergency action code of numbers and letters that provide information to emergency services especially firefigh

**IARC:** International Agency for Research on Cancer

**N.A:** Not Available

**NOS:** Not otherwise specified

**NTP:** National Toxicology Program (USA)

**UN Number:** United Nations Number

The information herein is, to the best of our knowledge, correct and complete. It describes the safety requirements for this product and should not be construed as guaranteeing specific properties. Since methods and conditions of application are beyond our control, Auroramarine does not accept liability for any damages resulting from the use of, or reliance on, this information, in inappropriate contexts.

Your attention is drawn to the disclaimer on the Product Data Sheet which with this Safety Data Sheet and the package labeling comprise an integral information system about this product. Copies of the Product Data Sheet are available from Aurora Marine on request or from our Internet site: [www.auroramarine.com](http://www.auroramarine.com)