

AURORA MARINE INDUSTRIES INC.**Safety Data Sheet****ALGEX**

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

1. Identification of the preparation and company

Preparation/Product Name Algex
Product Code 11150
Intended Use Algae, mussel, barnacle remover for Aluminum boats.
Application Method Spray 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/*666(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):**

8.1A Corrosive to metals
 8.2C Corrosive to dermal tissue
 8.3A Corrosive to ocular tissue

SIGNAL WORD: DANGER**Globally Harmonized System (GHS) classification:**

Skin corrosion/irritation, Category 1C, H314
 Eye Damage - Category 1, H318

PICTOGRAM:**Hazard statements:**

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

Prevention Statements:

P102 Keep out of reach of children.
 P103 Read label before use.
 P234 Keep only in original container.
 P260 Do not breathe mist/vapours/spray
 P264 Wash hands thoroughly after handling.
 P280 Wear protective gloves/clothing and eye/face protection

Response Statements:

P101 If medical advice is needed, have product container or label at hand.
 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
 P363 Wash contaminated clothing before reuse
 P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
 P310 Immediately call a POISON CENTER or doctor/physician.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage Statements:

P405 Store locked up.
 P406 Store in corrosive resistant container with a resistant inner liner.

Disposal Statements:

P501 Dispose of according to local regulations

3. Composition/Information on ingredients

Components	CAS Number	Proportion	Hazard Codes
Phosphoric acid	7664-38-2	10%-30%	H314 H318
Proprietary Inhibitor	-	1%-5%	NA
Proprietary Brightener	-	1%-5%	NA
Ingredients determined not to be hazardous	-	>60%	NA

4. First aid measures

Inhalation:

Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if needed.

Skin Contact:

Wash with soap and water. Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

Get medical attention if needed.

Eye Contact:

Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. needed.

Get medical attention if

Ingestion:

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

Indication of immediate medical attention and special treatment needed:

Treat symptomatically as for phosphoric acid. 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 if required.

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-

1.1

Vapour Density-

N.A.

Lower Explosive Limit-

N.A.

Solubility in Water-

soluble

Freezing point-

<0°C

pH

1-2

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: Oxides of phosphorus.

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. Contamination of eyes can result in injury.

Skin contact: Contact with skin will result in severe irritation.

Inhalation: Breathing in mists or aerosols may produce respiratory irritation.

Acute toxicity: No LD50 data available for the product.

However, for constituent(s) Phosphoric acid : Oral LD50 (rat): 1530 mg/kg. Dermal LD50 (rabbit): 2740 mg/kg.

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	
UN No.	(CONSUMER COMMODITY) RETAIL DISTRIBUTION LOAD	UN No.	1805
Hazard Class:		Hazard Class:	8
Packing Group		Packing Group	III
Shipping Name		Shipping Name	PHOSPHORIC ACID, SOLUTION
Marine Pollutant		Marine Pollutant	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 firefighters

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