



AURORA MARINE INDUSTRIES INC.

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Material Safety Data Sheet

Algex

Version No: 1 Revision Date: June 1, 2009

1. Identification of the preparation and company

Preparation/Product Name Algex
Product Code 01150
Intended Use Algae,mussel,barnacle remover for Aluminium boats.
Application Method Wipe 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)

2. Composition/Information on ingredients

This product contains the following substances that present health hazard

Component	CAS-No.	Weight %	LD50 (specie & route)
phosphoric acid	7664-38-2	15%-20%	1530 mg/kg, oral, rat
2-butoxyethanol	111-76-2	1%-2.5%	470mg/Kg,oral, rat

3. Hazard Identification of the product

Hazard Summary **Caution! Corrosive**
Can Causes burns and eye damage.

Potential Health Effects

Primary Routes of Entry:Inhalation, Eye contact & Skin contact

Eye: Immediate pain, Can caus burns and corneal damage.

Skin: Can cause irritation & burns to the skin.

Inhalation: Mist from solution can cause nasal irritation.

Ingestion: Can cause nausea, vomiting, diarrhea, corrosion, burns to mouth and esophagus, abdominal pain.

Carcinogenicity: Product does not contain any ingredient, classified as carcinogenic by ACGIH(American Conference of Governmental Industrial Hygienists)or IARC (International Agency for Research on Cancer),OSHA (Occupational Safety and Health Administration) and NTP(National Toxicology Program).

4. First aid measures

General-In all cases of doubt or when symptom persists seek medical attention .

Inhalation-Move to fresh air.

Eye Contact-Rinse immediately with plenty of water.Seek medical advise,

Skin Contact- Wash with soap & water.

Ingestion-Rinse mouth with water & drink 2-3 glass of water to dilute, only induce vomiting if directed by physicians. Seek medical advise,

5. Fire-fighting measures

Product is not flammable.

6. Accidental release measures

Recover for use if possible.

Ventilate the area.

Wipe or absorb or flush with water.

Dispose of according to regulations.

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

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7. Handling and storage**Handling:** Take all precautions to avoid personal contact. Prevent release of vapor or mist into workplace air.

Always ensure adequate ventilation in handling areas.

In Storage-Store in cool dry area.**In Use-**Avoid skin & eye contact, Do not breath vapors or mist etc.**Storage-**Do not freeze, store in well ventilated area, keep container closed.**8. Exposure controls and personal protection****Engineering Controls:** Good General ventilation should be suffiscent for most condition.**Exposure Limits**

Exposure limits are listed below, if they exist

Component	CAS	OSHA Ceiling Exposure Limit (PEL-C)	NIOSH REL	ACGIH Ceiling Exposure Limit (TLV-C)
phosphoric acid	7664-38-2	1 mg/m ³	not available	1 mg/m ³
2-butoxyethanol	111-76-2	50 ppm(240 mg/m ³)	5 ppm(24 mg/m ³)	20 ppm

Respiratory Protection If respiratory protection is required, use NIOSH approved respirator.**Eye Protection -** Wear safty glasses or splashproof goggles.**Hand Protection -** Wear rubber or plastic gloves.**Skin Protection-** If required wear safty clothings, impervious to this material.**9. Physical and chemical properties**

Physical State-	liquid
Color	Light Blue
pH	1.4-1.9
Odour	Wintergreen
Flash Point (deg C)-.	NA
Viscosity (cSt)-	1.012cP
Specific Gravity(g/ml)	1.01
Vapor Density-	NA
Upper Explosive Limit-	NA
Lower Explosive Limit-	NA
Solubility in Water-	Yes
Freezing point-	<0°C

10. Stability and reactivity

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

Do not mix with alkalies.Do not heat.

11. Toxicological information

There are no data available on the product itself.

12. Ecological information

There are no data available on the product itself.

13. Disposal considerations

Waste material must be disposed of in accordance with federal,state,provincial & local enviornmental control regulations.

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14. Transport information

Transport only in accordance with the following regulations:

	TDG-CLR	DOT	ICAO/IATA
Shipping Name	CONSUMER COMMODITY	CONSUMER COMMODITY ORM-D	Phosphoric acid mixture
Hazard class/Division			8
Identification No.			UN 1805
Packaging Group			III
Marine Pollutant			No

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

15. Regulatory information**Canadian Classification**

This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations) and MSDS (Material Safety Data Sheet) contains all the information required by the CPR.

Controlled Products Regulations (WHMIS) Classification:

Class E – Corrosive

CEPA / Canadian Domestic Substances List (DSL): All component of this product are on the Canadian Domestic Substances List (CEPA/DSL)**USA Classification****TSCA Inventory:**All components of this product are listed on USA TSCA inventory.**OSHA Classification:** Hazardous by definition of Hazard Communication Standard (29 CFR § 1910.1200)**Sources Used for Information:**Suppliers, ACGIH, CCOHS**16. Other information****National Fire Protection Association (NFPA) Rating****Hazardous Materials Identification System (HMIS) Rating**

	NFPA	HMIS	
HEALTH	2	2	4 = Extreme/Severe
FIRE	0	0	3 = High/Serious
REACTIVITY	0	0	2 = Moderate
SPECIAL			1 = Slight
			0 = Minimum
			W = Water Reactive

Legend

ACGIH	American Conference of Governmental Industrial Hygienists
OSHA	Occupational Safety and Health Administration
CCOHS	Canadian Centre for Occupational Health and Safety
PEL	Permissible Exposure Limit
REL	Recommended exposure limit
TLV	Threshold Limit Value
TWA	Time Weighted Average (TWA):
WHMIS	Workplace Hazardous Materials Information System
TDG CLR	Transport of Dangerous goods-Clear Language Regulations
DOT	Department of transportation
IATA	International Air transport Association
ICAO	The International Civil Aviation Organization
TSCA	Toxic Substances Control Act(Chemical Substance Inventory)
NA	Not Applicable
NE	Not Established
ND	Not Determined
EST	Estimated

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