

**AURORA MARINE INDUSTRIES INC.**

Safety Data Sheet

**Alumabrite**

Version No: 1 Revision Date: 09-03-2016

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

**Preparation/Product Name** Alumabrite  
**Product Code** 01240  
**Intended Use** Aluminum & Stainless Steel Cleaner  
**Application Method** Dilute, Spray, Rinse  
**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):**

6.1D (oral) Acutely toxic-Harmful

8.2C Corrosive to dermal tissue

8.3A Corrosive to ocular tissue

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

Acute toxicity: Oral, Category 4

Skin corrosion/irritation, Category 1C

Serious eye damage/eye irritation, Category 1

**SIGNAL WORD: DANGER****PICTOGRAM:****Hazard statements:**

H302 Harmful if swallowed.

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.

P264 Wash hands thoroughly after handling

P270 Do not eat, drink or smoke when using this product.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective protective gloves and eye/face protection.

**Response Statements:**

P101 If medical advice is needed, have product container or label at hand.

P301 + P330+ P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P301 + P312 IF SWALLOWED: 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.

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.

P310 Immediately call a POISON CENTER or doctor/physician.

**Storage Statements:**

P405 Store locked up.

**Disposal Statements:**

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**3. Composition/Information on ingredients**

Components	CAS Number	Proportion	Hazard Codes
Ammonium hydrogen difluoride	1341-49-7	3%-7%	H302, H314, H318
Proprietary organic salt	Confidential	5%-10%	NA
Dodecyl Ammonium Sulphate	2235-54-3	1%-5%	NA
Ingredients determined not to be hazardous	-	>75%	NA

#### 4. First aid measures

**Inhalation:**

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.  
Call a POISON CENTER or doctor/physician.

**Skin Contact:**

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
Immediately call a POISON CENTER or doctor/physician.

Skin exposures can be treated with a **2.5% calcium gluconate gel** repeated until burning ceases.

**Eye Contact:**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a POISON CENTER or doctor/physician.

**Ingestion:**

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
Rinse mouth. Do NOT induce vomiting.

**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 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)-.**

Non-combustible material

**Viscosity (cSt)-**

1.012

**Specific Gravity-**

1.068± 0.1

**Vapour Density-**

N.A.

**Lower Explosive Limit-**

N.A.

**Solubility in Water-**

Soluble

**Freezing point-**

<0°C

**pH**

2.00-4.00

#### 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 Fluoride

**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.

**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.	2817
Hazard Class:		Hazard Class:	8 (6.1)
Packing Group		Packing Group	III
Shipping Name		Shipping Name	Ammonium hydrogendifluoride, 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;** March 9, 2016

**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 Auroramarine on request or from our Internet site: [www.auroramarine.com](http://www.auroramarine.com)