



# HULL CLEANER ECO-FRIENDLY

## SECTION 1. IDENTIFICATION

**Product Identifier** HULL CLEANER ECO-FRIENDLY  
**Product Family** Cleaner  
**Recommended Use** Highly effective on waterline stains, algae, rust, scum, mold and other aquatic contaminants on boats hulls.  
**Manufacturer** Bombardier Recreational Products Inc.  
565 de la Montagne Street,  
Canada, Québec, J0E 2 L0  
Valcourt  
1(888) 272-9222  
**Emergency Phone No.** CANUTEC, (613) 996-6666  
**SDS No.** 74

## SECTION 2. HAZARD IDENTIFICATION

### Classification

Corrosive to metals - Category 1; Acute toxicity (Oral) - Category 4; Skin corrosion - Category 1; Serious eye damage - Category 1; Specific target organ toxicity (single exposure) - Category 3

### Label Elements



Signal Word:

Danger

Hazard Statement(s):

May be corrosive to metals.

Harmful if swallowed, in contact with skin or if inhaled.

Causes severe skin burns and eye damage.

Precautionary Statement(s):

Prevention:

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash hands and skin thoroughly after handling.

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

Wear eye protection/face protection.

Wear protective gloves.

Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Urea, monohydrochloride	506-89-8	10-30	Not Applicable	Not Applicable
Urea, sulfate (1:1)	21351-39-3	10-30	Not Applicable	Not Applicable
Propylene glycol mono-n-butyl ether	5131-66-8	1-5	Not Applicable	Not Applicable
Ammonium bifluoride	1341-49-7	1-5	Not Applicable	Not Applicable
Alcohols, C9-11, ethoxylated, liquids	68439-46-3	1-5	Not Applicable	Not Applicable

## SECTION 4. FIRST-AID MEASURES

### First-aid Measures

#### Inhalation

Take precautions to ensure your own safety before attempting rescue (e.g. wear appropriate protective equipment). Move to fresh air. Keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms (e.g. coughing, shortness of breath, wheezing), call a Poison Centre or doctor.

#### Skin Contact

Avoid direct contact. Wear chemical protective clothing if necessary. Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Quickly and gently blot or brush away excess chemical. Wash with plenty of water. Get medical advice or attention if you feel unwell or are concerned.

#### Eye Contact

Avoid direct contact. Wear chemical protective gloves if necessary. Quickly and gently blot or brush chemical off the face. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists, get medical advice or attention.

#### Ingestion

Rinse mouth with water. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. Get medical advice or attention if you feel unwell or are concerned.

### Immediate Medical Attention and Special Treatment

#### Target Organs

Respiratory system.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Use water to keep non-leaking, fire-exposed containers cool.

### Special Protective Equipment and Precautions for Fire-fighters

Fight fire from a safe distance or a protected location. Do NOT apply water directly to spill. Before entry, especially into confined areas, use an appropriate monitor to check for: toxic gases or vapours, sufficient oxygen. Dike and recover contaminated water for appropriate disposal.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Evacuate downwind locations. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Use the personal protective equipment recommended in Section 8 of this safety data sheet. Increase ventilation to area or move leaking container to a well-ventilated and secure area. Remove or isolate incompatible

materials as well as other hazardous materials. Before entry, especially into confined areas, check atmosphere with an appropriate monitor. Test for sufficient oxygen levels.

#### **Environmental Precautions**

It is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway. If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas. Minimize the use of water to prevent environmental contamination.

#### **Methods and Materials for Containment and Cleaning Up**

Review Section 7 (Handling) of this safety data sheet before proceeding with clean-up. Cover the spill surface with the appropriate type of foam to reduce the release of vapour. Place used absorbent into suitable, covered, labelled containers for disposal. Contaminated absorbent poses the same hazard as the spilled product. Large spills or leaks: do not direct water at spill or source. Remove or recover liquid using pumps or vacuum equipment. Flush spill area. Dike and recover contaminated water for appropriate disposal. Store recovered product in suitable containers that are: covered, tightly-covered, corrosion-resistant.

## **SECTION 7. HANDLING AND STORAGE**

### **Precautions for Safe Handling**

Obtain special instructions before use. Do not get in eyes, on skin or on clothing. Do not swallow. Do not breathe in this product. Only use where there is adequate ventilation. Avoid generating vapours or mists. Avoid release to the environment. In the event of a spill or leak, exit the area immediately. In event of a spill or leak, immediately put on escape-type respirator and exit the area. Avoid heating that will increase the amount of vapours. If product is transferred to another container, ensure new container is suitable for the product. Do not carry or transfer this product in an enclosed space (e.g. in an elevator or inside a vehicle). Prevent accidental contact with incompatible chemicals. Avoid repeated or prolonged skin contact with product or with contaminated equipment/surfaces. Use corrosion-resistant tools and equipment. See Section 10 (Stability and Reactivity) for suitable materials. Keep containers tightly closed when not in use or empty. Never reuse empty containers, even if they appear to be clean. Do NOT eat, drink or store food in work areas. Consider using a double locker-shower facility. Wash hands thoroughly after handling this material.

### **Conditions for Safe Storage**

Store in an area that is: well-ventilated, cool, separate from incompatible materials (see Section 10: Stability and Reactivity).

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Appropriate Engineering Controls**

Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air. Provide eyewash and safety shower if contact or splash hazard exists. Do not allow product to accumulate in the air in work or storage areas, or in confined spaces. Exhaust directly to the outside, taking any necessary precautions for environmental protection.

### **Individual Protection Measures**

#### **Eye/Face Protection**

Wear chemical safety goggles and face shield when contact is possible.

#### **Skin Protection**

Wear chemical protective clothing e.g. gloves, aprons, boots.

#### **Respiratory Protection**

Wear a full facepiece NIOSH approved air-purifying respirator with an acid gas cartridge.

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

### **Basic Physical and Chemical Properties**

<b>Appearance</b>	Clear colourless liquid.
<b>Odour</b>	Acidic
<b>pH</b>	2.76
<b>Solubility</b>	Very soluble in water

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## Other Information

### Physical State

Liquid

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

May intensify fire.

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

Reacts in the presence of alkaline conditions (high pH), heat.

### Conditions to Avoid

Heat. High temperatures. Freezing. Sunlight. Alkaline conditions (high pH).

### Incompatible Materials

Metals (e.g. aluminum), strong bases (e.g. sodium hydroxide).

### Hazardous Decomposition Products

Corrosive chemicals; irritating chemicals.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Urea, sulfate (1:1)		350 mg/kg (rat)	2000 mg/kg (rat)
Urea, monohydrochloride		1121 mg/kg (rat)	
Ammonium bifluoride	638 mg/kg (rat) (4-hour exposure)	130 mg/kg (rat) (4-hour exposure)	
Propylene glycol mono-n-butyl ether	3.5 mg/L (rat) (4-hour exposure)	3300 mg/kg (rat)	2000 mg/kg (rat)
Alcohols, C9-11, ethoxylated, liquids		3000 mg/kg (rabbit)	2000 mg/kg (rat)

Oral ATEmix = 1406.21 mg/kg

0% of the mixture consists of an ingredient or ingredients of unknown acute toxicity (oral)

### Skin Corrosion/Irritation

Corrosive based on information for closely related materials. Contact can cause pain, redness, burns, and blistering. Permanent scarring can result.

### Serious Eye Damage/Irritation

May cause serious eye irritation based on information for closely related materials.

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

May be toxic by inhalation.

#### Skin Absorption

This product is absorbed by the respiratory tract and the digestive tract.

#### Ingestion

May be toxic by ingestion.

### Aspiration Hazard

May be drawn into the lungs (aspirated) if swallowed or vomited. (Ammonium bifluoride)

### Respiratory and/or Skin Sensitization

No information was located.

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## Carcinogenicity

No information was located.

## Reproductive Toxicity

### Development of Offspring

No information was located.

### Sexual Function and Fertility

No information was located.

### Effects on or via Lactation

No information was located.

## Germ Cell Mutagenicity

No information was located.

## Interactive Effects

No information was located.

## SECTION 12. ECOLOGICAL INFORMATION

This section is not required by WHMIS.

### Ecotoxicity

#### Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Alcohols, C9-11, ethoxylated, liquids	5-10 mg/L (96-hour)	5-10 mg/L (48-hour)		10-100 mg/L (Desmodesmus subspicatus (algae); 72-hour)

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Dispose of contents and container in accordance with local, regional, national and international regulations. This product and its container must be disposed of as hazardous waste. Do NOT dump into any sewers, on the ground or into any body of water. Empty containers retain product residue. Follow label warnings even if container appears to be empty.

## SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
TMD au Canada	1760	Liquide Corrosive, N.S.A. (Ammonium bifluoride)	8	III

**Special Precautions** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

Canadian ingredient disclosure list (level 0.1%):

None of the components is superior to 0.1%

Canadian ingredient disclosure list (level 1%):

See section 3.

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## USA

### Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

### Additional USA Regulatory Lists

California Proposition 65: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

CERCLA:

Yes CERCLA Hazardous Substances : Reportable quantity. (Ammonium bifluoride) 100 Pounds

SARA 304 EMERGENCY RELEASE NOTIFICATION :

Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

Not regulated.

SARA Title III - Section 313: No listed.

SARA Title III - Section 302: Extremely Hazardous Substances List: No listed.

SARA Title III - Section 311/312:

Hazardous chemical : Yes Classified hazard categories : Skin corrosion or irritation Serious eye damage or eye irritation STOT-Single exposure

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List: Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Not regulated.

Safe Drinking Water Act (SDWA): Not regulated.

US. state regulations :

US. California. Candidate Chemicals List. California's Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd.(a)):

No listed.

US. Massachusetts Right-to-Know Substance List:

No listed.

US. New Jersey Worker and Community Right-to-Know Act. (Ammonium bifluoride)

US. Pennsylvania Worker and Community Right-to-Know Substance Law. (Ammonium bifluoride)

US. Rhode Island Right-to-Know. (Ammonium bifluoride)

## SECTION 16. OTHER INFORMATION

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**Key to Abbreviations** CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent

**References** <https://echa.europa.eu/fr/>  
<http://www.csst.qc.ca/Pages/index.aspx>.  
Security data sheets of the suppliers.

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**Additional Information** The preceding indications are based on our current knowledge but do not represent a guaranty in terms of the product's proprieties and do not establish a legally valid contractual relationship. The manipulation and use conditions of the product go beyond the rep's control. It is the user's responsibility to evaluate all available information before using the product, no matter the type of use, and to respect all local, provincial and federal legislations and laws.

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