

# MATERIAL SAFETY DATA SHEET

## FICHE SIGNALÉTIQUE

CRC CANADA INC.

1246 LORIMAR DRIVE UNIT #2, MISSISSAUGA, ONT. (905) 670-2291 FAX (905) 670-5941

**PRODUCT IDENTIFIER:** Pontoon and Aluminum Hull Cleaner

**PART NO:** 76313

**PRODUCT USE:** Cleaner

**PROPER SHIPPING NAME:** N.ap

**UN NUMBER:** UN3289

**TDG CLASS:** Corrosive Liquid, NOS  
(ammonium bifluoride and hydrochloric acid) Class 6.1

**WHMIS CLASS:** D2B

**MANUFACTURED BY:** CRC INDUSTRIES INC.

885 LOUIS DRIVE  
WARMINSTER, PA. 18974  
USA

**EMERGENCY PHONE NUMBER:** (215) 674-4300

PAGE 1 OF 2

### SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS NUMBER	LD 50 OF INGREDIENT (SPECIES & ROUTE)	LC 50 OF INGREDIENT (SPECIES & ROUTE)
Water	80-95	7732-18-5	N.av	N.av
Phosphoric acid	4-6	7664-38-2	N.av	N.av
Hydrochloric acid	4-6	7647-01-0	N.av	N.av
Ammonium bifluoride	1-5	1341-49-7	N.av	N.av
Ethoxylated nonylphenol	1-5	9016-45-9	N.av	N.av

### SECTION 3 - PHYSICAL DATA

**PHYSICAL STATE:** Liquid

**BOILING POINT:** 100°C

**VAPOUR PRESSURE:** 20 mm/Hg

**EVAPOURATION RATE:** Slower than water

**ODOUR & APPEARANCE:** Thin clear liquid, mild acidic odour.

**COEFF. WATER / OIL DIST.:** Complete in water.

**SPECIFIC GRAVITY:** 1.055

**FREEZING POINT:** N.av

**VAPOUR DENSITY (AIR=1):** >1

**PH:** 2.5-3.5

### SECTION 4 - FIRE & EXPLOSION DATA

**FLAMMABILITY:** No.

**MEANS OF EXTINCTION:** Carbon dioxide, water fog, foam.

**FLASH POINT (°C):** None.

**FLAMMABILITY LIMITS (% BY VOLUME)**

**AUTOIGNITION TEMP.:** N.av

**SENSITIVITY TO STATIC DISCHARGE:** N.av

**HAZARDOUS COMBUSTION PRODUCTS :** Acid vapour.

**UNDER WHAT CONDITIONS:** N.ap

**METHOD:** Seta flash

**UPPER:** None **LOWER:** None

**SENSITIVITY TO IMPACT:** N.av

### SECTION 5 - REACTIVITY DATA

**CHEMICAL STABILITY:** Stable

**INCOMPATIBILITY WITH OTHER SUBSTANCES:** All alkalis, reducing agents and reducible organics.

**HAZARDOUS DECOMPOSITION PRODUCTS:** See HAZARDOUS COMBUSTION PRODUCTS.

**REACTIVITY AND UNDER WHAT CONDITIONS:** N.av

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**SECTION 6 - TOXICOLOGICAL PROPERTIES**

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**ROUTE OF ENTRY:** Inhalation, skin, ingestion.

**EFFECTS OF ACUTE EXPOSURE:** Inhalation - high concentrations are irritating to the respiratory tract. May cause headache, dizziness, nausea and vomiting. Eyes - contact may cause blindness. Skin - corrosive to skin. Absorbtion through skin may cause headache, nausea, dizziness and vomiting. Ingestion - Harmful if swallowed, may cause burns to the mouth and esophagus.

**EFFECTS OF CHRONIC EXPOSURE:** May cause severe burns to skin and eyes. May cause irritation or burns to mucous membranes and lungs if inhaled. If ingested may cause severe burns to gastrointestinal system. Effects may not be immediate.

**EXPOSURE LIMITS:** N.av

**CARCINOGENICITY:** None known

**TERATOGENICITY:** None known

**MUTANOGENICITY:** None known

**IRRITANCY OF PRODUCT:** Eyes, skin

**SYNERGISTIC PRODUCTS:** None known

**REPRODUCTIVE TOXICITY:** None known

**SENSITIZATION TO PRODUCT:** None known

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**SECTION 7 - PREVENTATIVE MEASURES**

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**PERSONAL PROTECTIVE EQUIPMENT**

**GLOVES:** Solvent resistant

**FOOTWEAR:** No

**RESPIRATOR:** Self contained above TLV.

**ENGINEERING CONTROLS:** Use mechanical means to keep concentration below TLV.

**LEAK & SPILL PROCEDURE:** Remove sources of ignition, ventilate, absorb with absorbent, place in closed container.

**WASTE DISPOSAL:** Dispose of in accordance with Local, Provincial, and Federal Regulations.

**HANDLING PROCEDURES & EQUIPMENT:** N.ap

**STORAGE REQUIREMENTS:** Cool dry area

**SPECIAL SHIPPING INFORMATION:** Corrosive Liquid, Inorganic NOS (Ammonium bifluoride and hydrochloric acid)  
Class 6.1 UN3289 PG II

**EYES (SPECIFY):** Safety glasses

**CLOTHING:** No

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**SECTION 8 - FIRST AID MEASURES**

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**1. INHALATION :** Remove to fresh air, apply artificial respiration if necessary.

**2. EYE :** Flush for 15 minutes with large amounts of water.

**3. SKIN :** Wash affected area with soap and water.

**4. INGESTION :** **DO NOT INDUCE VOMITING.** Call physician or poison control centre.

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**SECTION 9 - PREPARATION DATE OF MSDS**

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**PREPARED BY:** Michelle Rudnick

**PHONE NUMBER:** (905) 670-2291

**CRC#** MK3132

**DATE:** June 11, 2006

**FAX NUMBER:** (905) 670-5941