



# MATERIAL SAFETY DATA SHEET

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## Section 1: Product & Company Identification

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**Product Name:** On & Off Gel Hull & Bottom Cleaner

**Product Number (s):** 76532, 76533

**Product Use:** Cleaner for fiberglass hulls

**Manufacturer / Supplier Contact Information:**

In United States:

CRC Industries, Inc.

885 Louis Drive

Warminster, PA 18974

[www.crcindustries.com](http://www.crcindustries.com)

1-215-674-4300 (General)

(800) 521-3168 (Technical)

(800) 272-4620 (Customer Service)

In Canada:

CRC Canada Co.

2-1246 Lorimar Drive

Mississauga, Ontario L5S 1R2

[www.crc-canada.ca](http://www.crc-canada.ca)

1-905-670-2291

In Mexico:

CRC Industries Mexico

Av. Benito Juárez 4055 G

Colonia Orquídea

San Luís Potosí, SLP CP 78394

[www.crc-mexico.com](http://www.crc-mexico.com)

52-444-824-1666

24-Hr Emergency – CHEMTREC: (800) 424-9300 or (703) 527-3887

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## Section 2: Hazards Identification

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### Emergency Overview

**DANGER:** Corrosive to Skin and Eyes. Vapor Harmful. Harmful if Swallowed.

Appearance & Odor: Thick, clear blue-green liquid, cherry-almond scented

**Potential Health Effects:**

**ACUTE EFFECTS:**

**EYE:** Eye contact may cause severe irritation or burns. May cause permanent eye damage if not promptly flushed with plenty of water.

**SKIN:** Skin contact can cause severe irritation or burns with possible redness, swelling or blistering. Severity of action is highly dependent on contact time.

**INHALATION:** Inhalation can cause irritation and burning of respiratory passages.

**INGESTION:** If swallowed, this product may cause severe irritation or damage of mucosal linings of the mouth, throat, esophagus or stomach.

**CHRONIC EFFECTS:** Unknown

**TARGET ORGANS:** Unknown

**Medical Conditions Aggravated by Exposure:** Unknown

See Section 11 for toxicology and carcinogenicity information on product ingredients.

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### Section 3: Composition/Information on Ingredients

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COMPONENT	CAS NUMBER	% by Wt.
Water	7732-18-5	80 – 90
Hydrochloric acid	7647-01-0	10 – 15
Phosphoric acid	7664-38-2	2 – 5
Ethoxylated amines	61791-24-0	< 2
Oxalic acid	144-62-7	< 1

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### Section 4: First Aid Measures

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- Eye Contact: Immediate first aid is required to prevent eye damage. Flush immediately with water and remove contact lenses if present. Then flush with large quantities of running water for 15 minutes. Do not attempt to neutralize with chemical agents. Get medical attention.
- Skin Contact: Remove contaminated clothing and wash affected area with copious amounts of water for 15 minutes. Do not attempt to neutralize with chemical agents. Call a physician if irritation persists. Wash contaminated clothing prior to re-use.
- Inhalation: Remove person to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Call a physician.
- Ingestion: Do NOT induce vomiting. Rinse mouth with water. Then give 1 – 2 glasses of water or milk and call a physician or poison control center immediately. If vomiting occurs, keep head below hips to reduce risk of aspiration. Give water again. Never give anything by mouth to a person who is unconscious or convulsing. Get medical attention immediately.

*Note to Physicians:* Treat symptomatically.

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### Section 5: Fire-Fighting Measures

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**Flammable Properties:** This product is nonflammable.

Flash Point: None  
Autoignition Temperature: ND

Upper Explosive Limit: None  
Lower Explosive Limit: None

**Fire and Explosion Data:**

Suitable Extinguishing Media: This material will not burn. Use water, CO<sub>2</sub> or dry chemical as appropriate for surrounding fire.

Products of Combustion: Heated material may generate oxides of carbon, nitrogen and hydrogen chloride.

Explosion Hazards: Containers, when exposed to heat from fire, may build pressure and rupture.

Protection of Fire-Fighters: Firefighters should wear self-contained, NIOSH-approved breathing apparatus for protection against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

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### Section 6: Accidental Release Measures

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Personal Precautions: Use personal protection recommended in Section 8.

Environmental Precautions: Take precautions to prevent contamination of ground and surface waters. Do not flush undiluted product into sewers or storm drains.

Methods for Containment & Clean-up: Ventilate the area immediately. Dike area with inert material (sand, clay) to contain spill. Floors may be extremely slippery. After removal, flush area with water. If in confined space or limited air circulation area, clean-up workers should wear appropriate respiratory protection. Wear appropriate protective gear to avoid skin or eye contact. Recover or absorb spilled material using an absorbent designed for chemical spills. Place used absorbents into proper waste containers.

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**Section 7: Handling and Storage**

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Handling Procedures: Keep containers closed while not in use. Do not mix with other chemical products. Use appropriate personal protective equipment (see section 8) to prevent skin and eye contact. Avoid breathing vapors. For product use instructions, please see the product label.

Storage Procedures: Store in original container in a cool dry area out of direct sunlight. Containers should be tightly closed while in storage. Do not store near alkaline materials. Keep out of reach of children.

Aerosol Storage Level: NA

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**Section 8: Exposure Controls/Personal Protection**

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**Exposure Guidelines:**

COMPONENT	OSHA		ACGIH		OTHER		UNIT
	TWA	STEL	TWA	STEL	TWA	SOURCE	
Water	NE	NE	NE	NE	NE		
Hydrochloric acid	5 (c)	NE	NE	2 (c)	NE		ppm
Phosphoric acid	1	3 (v)	1	3	NE		mg/m <sup>3</sup>
Ethoxylated amines	NE	NE	NE	NE	NE		
Oxalic acid	1	NE	1	2	NE		mg/m <sup>3</sup>
N.E. – Not Established      (c) – ceiling      (s) – skin      (v) – vacated							

**Controls and Protection:**

Engineering Controls: Area should have ventilation to provide fresh air. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at the source, preventing dispersion into the general work area. Use mechanical means if necessary to maintain vapor levels below the exposure guidelines. If working in a confined space, follow applicable OSHA regulations.

Respiratory Protection: None required under normal conditions of use. If exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with acid gas cartridge. Air monitoring is needed to determine actual employee exposure levels. Use a self-contained breathing apparatus in confined spaces and for emergencies.

Eye/face Protection: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

Skin Protection: Use protective gloves such as latex or neoprene rubber. Also, use full protective clothing if there is prolonged or repeated contact of liquid with skin.

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## Section 9: Physical and Chemical Properties

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Physical State: liquid

Color: clear blue-green

Odor: cherry-almond

Odor Threshold: ND

Specific Gravity: 1.045

Initial Boiling Point: 190°F / 88°C

Freezing Point: ND

Vapor Pressure: ND

Vapor Density: ND (air = 1)

Evaporation Rate: > water

Solubility: completely soluble in water

Coefficient of water/oil distribution: ND

pH: < 1

Volatile Organic Compounds: wt%: 0 g/L: 0 lbs./gal: 0

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## Section 10: Stability and Reactivity

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Stability: Stable

Conditions to Avoid: Temperatures above 130°F / 54°C or below 32°F / 0°C. Do not mix with other chemicals.

Incompatible Materials: May react with strong bases. Reacts with bleach or other chlorine sources to generate toxic chlorine gas.

Hazardous Decomposition Products: oxides of carbon, nitrogen or hydrogen chloride

Possibility of Hazardous Reactions: No

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## Section 11: Toxicological Information

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Long-term toxicological studies have not been conducted for this product. The following information is available for components of this product.

### Acute Toxicity:

<u>Component</u>	<u>Oral LD50 (rat)</u>	<u>Dermal LD50 (rabbit)</u>	<u>Inhalation LC50 (rat)</u>
Water	> 90 mL/kg	No data	No data
Hydrochloric acid	700 mg/kg	> 5010 mg/kg	1562 ppm/4H
Phosphoric acid	1530 mg/kg	> 1260 mg/kg	> 213 mg/m <sup>3</sup> /4H
Ethoxylated amines	No data	No data	No data
Oxalic acid	9.5 mL/kg	> 20,000 mg/kg	No data

### Chronic Toxicity:

<u>Component</u>	<u>OSHA Carcinogen</u>	<u>IARC Carcinogen</u>	<u>NTP Carcinogen</u>	<u>Irritant</u>	<u>Sensitizer</u>
Water	No	No	No	No	No
Hydrochloric acid	No	No	No	eye, skin, respiratory	No
Phosphoric acid	No	No	No	eye, skin	Unknown
Ethoxylated amines	No	No	No	Unknown	Unknown
Oxalic acid	No	No	No	eye	Unknown

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Reproductive Toxicity: No information available

Teratogenicity: No information available

Mutagenicity: No information available

Synergistic Effects: No information available

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## **Section 12: Ecological Information**

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Ecological studies have not been conducted for this product. The following information is available for components of this product.

Ecotoxicity: phosphoric acid – 96 Hr LC50 mosquito fish: 138 mg/L

hydrochloric acid – 48 Hr LC50 bluegill: 3.6 mg/L

Persistence / Degradability: No information available

Bioaccumulation / Accumulation: No information available

Mobility in Environment: No information available

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## **Section 13: Disposal Considerations**

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**Waste Classification:** This product, as packaged (original concentrated form), is a corrosive hazardous waste with a waste code of D002. Dilutions or mixtures of this product should be tested to determine waste classification. (See 40 CFR Part 261.20 – 261.33)  
Empty containers may be recycled.

All disposal activities must comply with federal, state, provincial and local regulations. Local regulations may be more stringent than state, provincial or national requirements.

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## **Section 14: Transport Information**

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US DOT (ground): 76532 UN1760, Corrosive Liquid, N.O.S. (Hydrochloric & Phosphoric Acids), 8, PGII, Limited Quantity  
76533 UN1760, Corrosive Liquid, N.O.S. (Hydrochloric & Phosphoric Acids), 8, PGII

ICAO/IATA (air): Not packaged for shipment by air.

IMO/IMDG (water): 76532 UN1760, Corrosive Liquid, N.O.S. (Hydrochloric & Phosphoric Acids), 8, PGII, Limited Quantity  
76533 UN1760, Corrosive Liquid, N.O.S. (Hydrochloric & Phosphoric Acids), 8, PGII

Special Provisions: None

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## **Section 15: Regulatory Information**

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### **U.S. Federal Regulations:**

#### Toxic Substances Control Act (TSCA):

All ingredients are either listed on the TSCA inventory or are exempt.

#### Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):

Reportable Quantities (RQ's) exist for the following ingredients: phosphoric acid (5000 lbs)  
hydrochloric acid (5000 lbs)

**Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to**

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**the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.**

Superfund Amendments Reauthorization Act (SARA) Title III:

Section 302 Extremely Hazardous Substances (EHS): None

Section 311/312 Hazard Categories:

Fire Hazard	No
Reactive Hazard	No
Release of Pressure	No
Acute Health Hazard	Yes
Chronic Health Hazard	No

Section 313 Toxic Chemicals: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:  
None

Clean Air Act:

Section 112 Hazardous Air Pollutants (HAPs): Hydrochloric acid

Occupational Safety and Health Administration:

This product is regulated by the Hazard Communications Standard.

**U.S. State Regulations:**

California Safe Drinking Water and Toxic Enforcement Act (Prop 65):

This product may contain the following chemicals known to the state of California to cause cancer, birth defects or other reproductive harm: None

Consumer Products VOC Regulations: This product is not regulated.

State Right to Know:

New Jersey: 7647-01-0, 7664-38-2  
Pennsylvania: 7647-01-0, 7664-38-2, 6153-56-6  
Massachusetts: 7647-01-0, 7664-38-2  
Rhode Island : 7647-01-0, 7664-38-2, 6153-56-6

**Canadian Regulations:**

Controlled Products Regulations:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS Hazard Class: D1A, D1B, E

Canadian DSL Inventory: All ingredients are either listed on the DSL Inventory or are exempt.

**European Union Regulations:**

RoHS Compliance: This product is compliant with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003. This product does not contain any of the restricted substances as listed in Article 4(1) of the RoHS Directive.

**Additional Regulatory Information:** None

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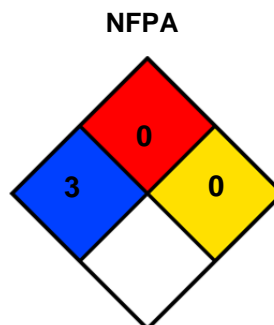
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## Section 16: Other Information

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HMIS® (II)	
Health:	3
Flammability:	0
Reactivity:	0
PPE:	D



Ratings range from 0 (no hazard) to 4 (severe hazard)

Prepared By: Michelle Rudnick

CRC #: MK3532

Revision Date: 8/03/2012

Changes since last revision: Formula Change

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label. For further clarification of any information contained on this MSDS consult your supervisor, a health & safety professional, or CRC Industries.

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstract Service

CFR: Code of Federal Regulations

DOT: Department of Transportation

DSL: Domestic Substance List

g/L: grams per Liter

HMIS: Hazardous Materials Identification System

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

IMDG: International Maritime Dangerous Goods

IMO: International Maritime Organization

lbs./gal: pounds per gallon

LC: Lethal Concentration

LD: Lethal Dose

NA: Not Applicable

ND: Not Determined

NIOSH: National Institute of Occupational Safety & Health

NFPA: National Fire Protection Association

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

PMCC: Pensky-Martens Closed Cup

PPE: Personal Protection Equipment

ppm: Parts per Million

RoHS: Restriction of Hazardous Substances

STEL: Short Term Exposure Limit

TCC: Tag Closed Cup

TWA: Time Weighted Average

WHMIS: Workplace Hazardous Materials Information System