



# MATERIAL SAFETY DATA SHEET

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## Section 1: Product & Company Identification

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**Product Name:** HydroForce® Butyl-Free All Purpose Cleaner (Bulk)

**Product Number (s):** 14401, 14402, 14403, 14404, 14422

**Product Use:** general purpose cleaner

### 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

**WARNING:** Eye and Skin Irritant. Harmful if Swallowed.  
Appearance & Odor: Blue-green liquid, surfactant odor

### Potential Health Effects:

**ACUTE EFFECTS:**

**EYE:** May cause mild to moderate temporary irritation including redness and burning depending on the amount and duration of contact.

**SKIN:** May cause mild to moderate temporary skin irritation depending on the amount and duration of contact. Prolonged or repeated contact may cause more severe effects.

**INHALATION:** Inhalation of a small amount may cause nose and throat irritation. Prolonged exposure may cause more severe irritation to respiratory tract.

**INGESTION:** Ingestion of a small amount may cause mild to moderate irritation of the gastrointestinal tract. Ingestion of a larger amount may cause major irritation to the gastrointestinal tract including burns.

**CHRONIC EFFECTS:** None known

**TARGET ORGANS:** Unknown

Medical Conditions Aggravated by Exposure: Pre-existing skin or eye disorders

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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<b>COMPONENT</b>	<b>CAS NUMBER</b>	<b>% by Wt.</b>
Water	7732-18-5	70 – 80
Sodium xylene sulfonate	1300-72-7	5 – 10
Polyoxyalkylene C8-C10 ether	68603-25-8	3 – 8
Dipropylene glycol n-propyl ether	29911-27-1	2 – 6
Monoethanolamine	141-43-5	< 1

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### **Section 4: First Aid Measures**

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- Eye Contact:** Immediately flush with plenty of water for 15 minutes. Call a physician if irritation persists or if chemical burns are present.
- Skin Contact:** Remove contaminated clothing and wash affected area with soap and water. Call a physician if irritation persists or if chemical burns are present. 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. Give 2 – 3 glasses of water. Call a physician immediately.
- Note to Physicians:* Treat symptomatically.

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### **Section 5: Fire-Fighting Measures**

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**Flammable Properties:** As defined by OSHA, this product is nonflammable.

Flash Point:	None	Upper Explosive Limit:	None
Autoignition Temperature:	None	Lower Explosive Limit:	None

**Fire and Explosion Data:**

- Suitable Extinguishing Media:** Use extinguishing agents appropriate for the surrounding fire.
- Products of Combustion:** None
- 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. Avoid eye or skin contact.
- Environmental Precautions:** Take precautions to prevent contamination of ground and surface waters. Do not flush into sewers or storm drains.
- Methods for Containment & Clean-up:** Dike area to contain spill. Ventilate the area with fresh air. If in confined space

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or limited air circulation area, clean-up workers should wear appropriate respiratory protection. 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:** Use with adequate ventilation. Avoid contact with skin and eyes. Gloves are recommended during use. Wash hands after use. Keep containers closed when not in use. Do not mix with other household chemicals. For product use instructions, please see the product label.

**Storage Procedures:** Store in a cool dry area out of direct sunlight. Containers should be tightly closed while in storage. 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		
Sodium xylene sulfonate	NE	NE	NE	NE	NE		
Polyoxyalkylene C8-C10 ether	NE	NE	NE	NE	NE		
Dipropylene glycol n-propyl ether	NE	NE	NE	NE	NE		
Monoethanolamine	3	6 (v)	3	6	NE		ppm
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 for normal work where adequate ventilation is provided. If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with organic vapor 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 nitrile or 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: blue-green

Odor: surfactant

Odor Threshold: ND

Specific Gravity: 1.06

Initial Boiling Point: ~ 212°F / 100°C

Freezing Point: ND

Vapor Pressure: ND

Vapor Density: > 1 (air = 1)

Evaporation Rate: slow

Solubility: soluble in water

Coefficient of water/oil distribution: ND

pH: 10.5 – 11.5

Volatile Organic Compounds: wt %: 0.5                      g/L: 5.3                      lbs./gal: 0.04

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## Section 10: Stability and Reactivity

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Stability: Stable

Conditions to Avoid: Keep away from heat and direct sunlight.

Incompatible Materials: Strong oxidizers, strong acids

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide

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
Sodium xylene sulfonate	4000 mg/kg	No data	No data
Polyoxyalkylene C8-C10 ether	No data	No data	No data
Dipropylene glycol n-propyl ether	> 2000 mg/kg	> 2000 mg/kg	No data
Monoethanolamine	1720 mg/kg	2504 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
Sodium xylene sulfonate	No	No	No	eye & skin	Unknown
Polyoxyalkylene C8-C10 ether	No	No	No	eye	Unknown
Dipropylene glycol n-propyl ether	No	No	No	eye	Unknown
Monoethanolamine	No	No	No	eye & skin	No

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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: Dipropylene glycol n-propyl ether - 96 Hr LC50, rainbow trout: > 100 mg/L (static)  
48 Hr EC50, daphnia: > 100 mg/L (static, immobilization)  
Persistence / Degradability: This material is 53% biodegradable in accordance with OECD Method 301D.  
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 is not a RCRA hazardous waste. (See 40 CFR Part 261.20 – 261.33)  
Empty containers may be recycled. Wastes should be collected and properly disposed. Do not dump into bodies of water or on the ground.

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): Not Regulated  
ICAO/IATA (air): Not Regulated  
IMO/IMDG (water): Not Regulated  
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: None

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

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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): None

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: In states with Consumer Products VOC regulations, this product is compliant as a General Purpose Cleaner.

State Right to Know:

New Jersey:	141-43-5
Pennsylvania:	141-43-5
Massachusetts:	141-43-5
Rhode Island :	141-43-5

**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: D2B

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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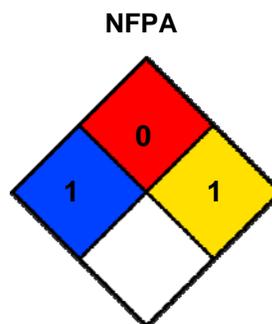
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## Section 16: Other Information

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HMIS® (II)	
Health:	1
Flammability:	0
Reactivity:	1
PPE:	B



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

Prepared By: Michelle Rudnick

CRC #: 660B

Revision Date: 01/02/2013

Changes since last revision: formula change to reduce VOC content

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