

MATERIAL SAFETY DATA SHEET

Section 1: Product & Company Identification

Product Name: HydroForce® Industrial Strength Cleaner/Degreaser
Product Number (s): 14415-14420

Manufactured By: CRC Industries, Inc. (215) 674-4300
885 Louis Drive, Warminster, PA 18974
24-Hour Emergency Information: CHEMTREC (800) 424-9300

Section 2: Composition/Information on Ingredients

Component	CAS NUMBER	ACGIH TLV	OSHA PEL	OTHER LIMITS	%
2-Butoxy Ethanol	111-76-2	25 ppm	25 ppm	(skin)	< 10
Detergent	Mixture	NE	NE	NE	< 10
Sodium Metasilicate	6834-92-0	NE	NE	NE	< 10
Potassium Hydroxide	1310-58-3	NE	2 mg/m ³ C	NE	< 10
Water	7732-18-5	NE	NE	NE	55-65
Sodium xylenesulfonate	1300-72-7	NE	NE	NE	< 10

Section 3: Hazards Identification

Emergency Overview

Appearance & Odor: Red liquid, glycol ether odor.

Danger: May cause burns to skin and eyes on contact. Harmful if swallowed or inhaled.

Potential Health Effects:

Inhalation: Irritation to nose and throat, may cause headaches.
Eyes: Irritation
Skin: Irritation
Ingestion: Vomiting, diarrhea.

Carcinogenicity: OSHA: No IARC: No NTP: No
Chronic Overexposure: May be damaging to eyes and skin.
Medical Conditions Aggravated by Exposure: Dermatitis

Section 4: First Aid Measures

Inhalation: Remove to fresh air. Give artificial respiration if necessary.
Eyes: Flush with large amounts of water for 15 minutes.
Skin: Remove contaminated clothing and wash area with soap and water.

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Ingestion: Do not induce vomiting. Give 2-3 glasses of water and call a physician immediately.

Section 5: Fire-Fighting Measures

Flashpoint: None Method: TCC LEL: ND UEL: ND
Extinguishing Media: None normally needed
Hazardous Combustion Products: NA
Fire-fighting Instructions: Remove containers from fire area if possible. Use self-contained breathing apparatus for fire fighting.

NFPA: Health: 3 Flammability: 0 Reactivity: 1
HMIS: Health: 3 Flammability: 0 Reactivity: 1 PPE: B

Section 6: Accidental Release Measures

Spill/Leak Procedures: Area should be ventilated. Absorbent should be used to pick up excess material. All used and unused product should be disposed of in accordance with federal, state and local regulations.

Section 7: Handling and Storage

Handling Procedures: Store in a cool, dry area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Adequate to prevent accumulation of vapors. Use mechanical means if necessary to maintain levels below the exposure limits. If working in a confined space, follow applicable OSHA regulations.

Respiratory: Use NIOSH/MSHA compliant respirators or self-contained breathing apparatus above exposure limits. Follow OSHA regulations 29 CFR 1910.134.

Protective Clothing/Equipment: Wear chemically protective gloves and safety glasses. Use a splash apron and boots if splashing occurs.

Section 9: Physical & Chemical Properties

Physical State: Liquid Appearance & Odor: Red liquid, glycol ether odor
Specific Gravity: 1.07 Boiling Point: 212°F
Freezing Point: ND Vapor Pressure: ND
Evaporation Rate: slow Vapor Density (air = 1) ND
pH: 13.35 Solubility: Soluble in water.
Volatile Organic Compounds:%: 9.2 g/L: 99.360 lbs./gal: 0.829

Section 10: Stability and Reactivity

Product Name: HydroForce® Industrial Strength Cleaner/Degreaser
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Stability: Stable Hazardous Polymerization: No
Chemical Incompatibilities: Strong oxidizers.
Materials to Avoid: Strong acids, oxidizers
Hazardous Decomposition Products: None

Section 11: Toxicological Information

Long-term toxicological studies have not been conducted for this product. See Section 3 of this MSDS for acute symptoms of overexposure and carcinogenicity information.

Section 12: Ecological Information

Ecotoxicity: No data available.
Environmental Fate: No data available for biodegradation.

Section 13: Disposal Considerations

Disposal: This material if discarded may be hazardous waste under U.S. EPA RCRA regulations. All disposal activities must comply with federal, state and local regulations. Contact your local or state environmental agency for specific rules.

Section 14: Transportation Information

PART #: 14415
Shipping Name: Consumer Commodity
Hazard Class: ORM-D UN Number: NA Packing Group: NA
Label: NA Placard: NA Special Provisions: NA

PART #(S): 14416, 14417, 14418, 14420
Shipping Name: Corrosive Liquids, N.O.S. (Potassium Hydroxide & Sodium Metasilicate)
Hazard Class: 8 UN Number: 1760 Packing Group: II
Label: Corrosive Placard: Corrosive Special Provisions: NA----

Section 15: Regulatory Information

TSCA: All components are either listed under TSCA or are exempt.
SARA Title III: Section 311/312: Acute Section 313*: 2-Butoxy Ethanol
CERCLA/Superfund (RQ): NA
Extremely Hazardous Substances: No
California Prop 65: No
* See section 2 for percentage

Section 16: Additional Information

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Prepared By: Adam M. Selisker Date: November 8, 2002

Technical Information: (800) 521-3168 CRC #: 433C

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.

CAS:	Chemical Abstract Service	NA:	Not Applicable
ppm:	Parts per Million	ND:	Not Determined
TCC:	Tag Closed Cup	NE:	Not Established
LEL:	Lower Explosive Limit	g/L:	grams per Liter
UEL:	Upper Explosive Limit	lbs./gal:	pounds per gallon
PPE:	Personal Protection Equipment	RQ:	Reportable Quantity
COC:	Cleveland Closed Cup		