



# SAFETY DATA SHEET

## 1. Identification

<b>Product identifier</b>	<b>HydroForce® All Purpose Degreaser - 1 gal</b>	
<b>Other means of identification</b>		
<b>Product Code</b>	No. 14408 (Item# 1004960)	
<b>Recommended use</b>	General purpose degreaser	
<b>Recommended restrictions</b>	None known.	
<b>Manufacturer/Importer/Supplier/Distributor information</b>		
<b>Manufactured or sold by:</b>		
<b>Company name</b>	CRC Industries, Inc.	
<b>Address</b>	885 Louis Dr. Warminster, PA 18974 US	
<b>Telephone</b>		
<b>General Information</b>	215-674-4300	
<b>Technical Assistance</b>	800-521-3168	
<b>Customer Service</b>	800-272-4620	
<b>24-Hour Emergency (CHEMTREC)</b>	800-424-9300 (US)	
<b>Website</b>	www.crcindustries.com	

## 2. Hazard(s) identification

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Serious eye damage/eye irritation	Category 2A
<b>Environmental hazards</b>	Hazardous to the aquatic environment, acute hazard	Category 3
	Hazardous to the aquatic environment, long-term hazard	Category 3
<b>OSHA defined hazards</b>	Not classified.	

### Label elements



<b>Signal word</b>	Warning	
<b>Hazard statement</b>	Causes serious eye irritation. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.	
<b>Precautionary statement</b>		
<b>Prevention</b>	Use with adequate ventilation. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying. If you experience any symptoms listed on this label, increase ventilation or leave the area. Wash thoroughly after handling. Wear eye protection/face protection. Avoid release to the environment.	
<b>Response</b>	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.	
<b>Storage</b>	Store away from incompatible materials.	
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.	
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.	
<b>Supplemental information</b>	None.	

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### 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
water		7732-18-5	80 - 90
C9-11 alcohols ethoxylated		68439-46-3	3 - 5
dipropylene glycol methyl ether		34590-94-8	3 - 5
quaternary coco alkylamine ethoxylate		61791-10-4	1 - 3

Specific chemical identity and/or percentage of composition has been withheld as a trade secret.

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### 4. First-aid measures

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Wash off with soap and water. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	Rinse mouth. Get medical attention if symptoms occur.
<b>Most important symptoms/effects, acute and delayed</b>	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

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### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire-fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk. Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

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### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	This product is miscible in water. Prevent product from entering drains.  Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.  Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
<b>Environmental precautions</b>	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.  Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

<b>Precautions for safe handling</b>	Avoid contact with eyes. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices. For product usage instructions, see the product label.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
dipropylene glycol methyl ether (CAS 34590-94-8)	PEL	600 mg/m <sup>3</sup>
		100 ppm

#### US. ACGIH Threshold Limit Values

Components	Type	Value
dipropylene glycol methyl ether (CAS 34590-94-8)	STEL	150 ppm
	TWA	100 ppm

#### US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
dipropylene glycol methyl ether (CAS 34590-94-8)	STEL	900 mg/m <sup>3</sup>
		150 ppm
	TWA	600 mg/m <sup>3</sup>
		100 ppm

**Biological limit values** No biological exposure limits noted for the ingredient(s).

### Exposure guidelines

#### US - California OELs: Skin designation

dipropylene glycol methyl ether (CAS 34590-94-8) Can be absorbed through the skin.

#### US - Tennessee OELs: Skin designation

dipropylene glycol methyl ether (CAS 34590-94-8) Can be absorbed through the skin.

#### US ACGIH Threshold Limit Values: Skin designation

dipropylene glycol methyl ether (CAS 34590-94-8) Can be absorbed through the skin.

#### US NIOSH Pocket Guide to Chemical Hazards: Skin designation

dipropylene glycol methyl ether (CAS 34590-94-8) Can be absorbed through the skin.

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

dipropylene glycol methyl ether (CAS 34590-94-8) Can be absorbed through the skin.

**Appropriate engineering controls** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

#### Skin protection

**Hand protection** Wear protective gloves such as: Nitrile. Rubber.

**Other** Wear suitable protective clothing.

**Respiratory protection** If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to determine actual employee exposure levels.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

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## 9. Physical and chemical properties

**Appearance**

**Physical state** Liquid.

**Form** Liquid.

**Color** Purple.

**Odor** Pleasant.

**Odor threshold** Not available.

**pH** 10.2

**Melting point/freezing point** -112 °F (-80 °C) estimated

**Initial boiling point and boiling range** 212 °F (100 °C) estimated

**Flash point** None.

**Evaporation rate** Slow.

**Flammability (solid, gas)** Not available.

**Upper/lower flammability or explosive limits**

**Flammability limit - lower (%)** 1.1 % estimated

**Flammability limit - upper (%)** 14 % estimated

**Vapor pressure** 20 hPa estimated

**Vapor density** Not available.

**Relative density** 1.04

**Solubility(ies)**

**Solubility (water)** Soluble.

**Partition coefficient (n-octanol/water)** Not available.

**Auto-ignition temperature** 302 °F (150 °C) estimated

**Decomposition temperature** Not available.

**Percent volatile** 87.7 % estimated

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## 10. Stability and reactivity

**Reactivity** The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability** Material is stable under normal conditions.

**Possibility of hazardous reactions** No dangerous reaction known under conditions of normal use.

**Conditions to avoid** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Contact with incompatible materials.

**Incompatible materials** Strong oxidizing agents.

**Hazardous decomposition products** Carbon oxides. Hydrocarbon fumes and smoke. Aldehydes. Acrolein.

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## 11. Toxicological information

**Information on likely routes of exposure**

**Inhalation** Prolonged inhalation may be harmful.

**Skin contact** No adverse effects due to skin contact are expected.

**Eye contact** Causes serious eye irritation.

**Ingestion** Expected to be a low ingestion hazard.

**Symptoms related to the physical, chemical and toxicological characteristics** Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

## Information on toxicological effects

**Acute toxicity** Not known.

Components	Species	Test Results
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C9-11 alcohols ethoxylated (CAS 68439-46-3)

### Acute

#### **Dermal**

LD50	Rabbit	5000 mg/kg
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#### **Oral**

LD50	Rat	1378 mg/kg
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dipropylene glycol methyl ether (CAS 34590-94-8)

### Acute

#### **Dermal**

LD50	Rabbit	9.5 g/kg
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#### **Oral**

LD50	Rat	5.35 g/kg
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quaternary coco alkylamine ethoxylate (CAS 61791-10-4)

### Acute

#### **Oral**

LD50	Rat	580 mg/kg
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**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation** Causes serious eye irritation.

### **Respiratory or skin sensitization**

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** This product is not expected to cause skin sensitization.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** Not classifiable as to carcinogenicity to humans.

#### **IARC Monographs. Overall Evaluation of Carcinogenicity**

Not listed.

#### **OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)**

Not regulated.

#### **US. National Toxicology Program (NTP) Report on Carcinogens**

Not listed.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not an aspiration hazard.

**Chronic effects** Prolonged inhalation may be harmful.

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## 12. Ecological information

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

Components	Species	Test Results
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C9-11 alcohols ethoxylated (CAS 68439-46-3)

### **Aquatic**

#### *Acute*

Crustacea	EC50	Daphnia	1 - 10 mg/l, 48 hours
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Fish	LC50	Fish	1 - 10 mg/l, 96 hours
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Components	Species	Test Results
quaternary coco alkylamine ethoxylate (CAS 61791-10-4)		
<b>Aquatic</b>		
<i>Acute</i>		
Fish	LC50	Trout family (Salmonidae) 24 mg/l, 96 hours
<b>Persistence and degradability</b>	No data is available on the degradability of any ingredients in the mixture.	
<b>Bioaccumulative potential</b>		
<b>Mobility in soil</b>	No data available.	
<b>Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.	

### 13. Disposal considerations

<b>Hazardous waste code</b>	Not regulated.
<b>Disposal instructions</b>	This product is not a RCRA hazardous waste (See 40 CFR Part 261.20 – 261.33). Empty containers may be recycled. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. Transport information

<b>DOT</b>	Not regulated as dangerous goods.
<b>IATA</b>	Not regulated as dangerous goods.
<b>IMDG</b>	Not regulated as dangerous goods.

### 15. Regulatory information

<b>US federal regulations</b>	This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.
<b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)</b>	Not regulated.
<b>SARA 304 Emergency release notification</b>	Not regulated.
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)</b>	Not regulated.
<b>CERCLA Hazardous Substance List (40 CFR 302.4)</b>	Not listed.
<b>CERCLA Hazardous Substances: Reportable quantity</b>	Not listed.
	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.
<b>Other federal regulations</b>	
<b>Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List</b>	Not regulated.
<b>Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)</b>	Not regulated.
<b>Safe Drinking Water Act (SDWA)</b>	Not regulated.
<b>Food and Drug Administration (FDA)</b>	Not regulated.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)****Classified hazard categories** Serious eye damage or eye irritation**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** Yes**SARA 313 (TRI reporting)**

Not regulated.

**US state regulations****US. New Jersey Worker and Community Right-to-Know Act**

dipropylene glycol methyl ether (CAS 34590-94-8)

**US. Massachusetts RTK - Substance List**

dipropylene glycol methyl ether (CAS 34590-94-8)

**US. Pennsylvania Worker and Community Right-to-Know Law**

dipropylene glycol methyl ether (CAS 34590-94-8)

**US. Rhode Island RTK**

dipropylene glycol methyl ether (CAS 34590-94-8)

**California Proposition 65****WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)**California Proposition 65 - CRT: Listed date/Carcinogenic substance**

benzene (CAS 71-43-2) Listed: February 27, 1987

**California Proposition 65 - CRT: Listed date/Developmental toxin**

benzene (CAS 71-43-2) Listed: December 26, 1997

toluene (CAS 108-88-3) Listed: January 1, 1991

**California Proposition 65 - CRT: Listed date/Male reproductive toxin**

benzene (CAS 71-43-2) Listed: December 26, 1997

**Volatile organic compounds (VOC) regulations****EPA****VOC content (40 CFR 51.100(s))** 0.4 % (at minimum dilution)

4 % (concentrate)

**Consumer products (40 CFR 59, Subpt. C)** Not regulated**State****Consumer products** This product is regulated as a General Purpose Degreaser (non-aerosol). This product is compliant for use in all 50 states.**VOC content (CA)** 0.4 % (at minimum dilution)  
4 % (concentrate)**VOC content (OTC)** 0.4 % (at minimum dilution)  
4 % (concentrate)**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes

Country(s) or region	Inventory name	On inventory (yes/no)*
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)  
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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## 16. Other information, including date of preparation or last revision

<b>Issue date</b>	10-03-2019
<b>Prepared by</b>	Allison Yoon
<b>Version #</b>	01
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<b>Revision information</b>	This document has undergone significant changes and should be reviewed in its entirety.