# SAFETY DATA SHEET

# 1. Identification

**Product identifier** HydroForce® Super Citrus™ Heavy Duty Degreaser - 15 oz

Other means of identification

No. 14440 (Item# 1004984) **Product Code** Recommended use General purpose degreaser

**Recommended restrictions** None known.

Manufacturer/Importer/Supplier/Distributor information

Manufactured or sold by:

CRC Industries. Inc. Company name **Address** 

885 Louis Dr.

Warminster, PA 18974 US 800-556-5074

**Telephone** 24-Hour Emergency

(CHEMTREC)

800-424-9300 (US)

crcindustries.com Website

# 2. Hazard(s) identification

Physical hazards Gases under pressure Liquefied gas **Health hazards** Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2A Sensitization, skin Category 1

**Environmental hazards** Hazardous to the aquatic environment, acute Category 2

Hazardous to the aquatic environment,

long-term hazard

Hazardous to the ozone layer Category 1

Not classified. **OSHA** defined hazards

Label elements



Signal word Warning

Contains gas under pressure; may explode if heated. Causes skin irritation. May cause an allergic **Hazard statement** 

skin reaction. Causes serious eye irritation.

**Precautionary statement** 

Prevention Do not puncture or incinerate container. Do not expose to heat or store at temperatures above 49

°C/120 °F. Use only outdoors or in a well-ventilated area. 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. Avoid breathing mist/vapors. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the

Category 2

workplace. Wear eye protection/face protection. Wear protective gloves.

If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Response

Take off contaminated clothing and wash it before reuse. 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.

Protect from sunlight. Store in a well-ventilated place. Exposure to high temperature may cause Storage

can to burst.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

Material name: HydroForce® Super Citrus™ Heavy Duty Degreaser - 15 oz No. 14440 (Item# 1004984) Version #: 02 Revision date: 12-28-2023 Issue date: 03-28-2019 None known.

Supplemental information

None.

# 3. Composition/information on ingredients

#### **Mixtures**

Chemical name	Common name and synonyms	CAS number	%
water		7732-18-5	60 - 70
1,1-difluoroethane	HFC-152a	75-37-6	10 - 20
soybean oil, methyl ester		67784-80-9	5 - 10
d-limonene		5989-27-5	3 - 7
orange, sweet. ext.		8028-48-6	1 - 5
tallow alkyl amines, ethoxylated		61791-26-2	1 - 5
turpentine		8006-64-2	1 - 5
ethanolamine		141-43-5	0.1 - 1

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

#### 4. First-aid measures

**Inhalation** Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. In case of

eczema or other skin disorders: Seek medical attention and take along these instructions. Wash

contaminated clothing before reuse.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred

**Ingestion** In the unlikely event of swallowing contact a physician or poison control center. Rinse mouth.

Most important

symptoms/effects, acute and delayed

Indication of immediate medical attention and special

treatment needed
General information

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis.

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

# 5. Fire-fighting measures

Suitable extinguishing media Unsuitable extinguishing

media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

Pressurized container may rupture when exposed to heat or flame. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire-fighting equipment/instructions

In case of fire: Stop leak if safe to do so. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up.

General fire hazards

Contents under pressure. Pressurized container may rupture when exposed to heat or flame.

#### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapors. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Prevent product from entering drains. Stop the flow of material, if this is without risk. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

Material name: HydroForce® Super Citrus™ Heavy Duty Degreaser - 15 oz
No. 14440 (Item# 1004984) Version #: 02 Revision date: 12-28-2023 Issue date: 03-28-2019

# **Environmental precautions**

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

# Precautions for safe handling

Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Use caution around energized equipment. The metal container will conduct electricity if it contacts a live source. This may result in injury to the user from electrical shock and/or flash fire. Use only in well-ventilated areas. Avoid breathing mist/vapors. Wear appropriate personal protective equipment. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Avoid release to the environment. Observe good industrial hygiene practices. For product usage instructions, see the product label.

# Conditions for safe storage, including any incompatibilities

Level 1 Aerosol.

Contents under pressure. Do not expose to heat or store at temperatures above 120°F/49°C as can may burst. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Store in a well-ventilated place. Stored containers should be periodically checked for general condition and leakage. Store away from incompatible materials (see Section 10 of the SDS).

# 8. Exposure controls/personal protection

#### Occupational exposure limits

**Biological limit values** 

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Table Z-1 Limits for Air Components	Type `	, Value	
ethanolamine (CAS 141-43-5)	PEL	6 mg/m3	
		3 ppm	
turpentine (CAS 8006-64-2)	PEL	560 mg/m3	
		100 ppm	
US. ACGIH Threshold Limit Value	S		
Components	Туре	Value	
ethanolamine (CAS 141-43-5)	STEL	6 ppm	
	TWA	3 ppm	
turpentine (CAS 8006-64-2)	TWA	20 ppm	
US. NIOSH: Pocket Guide to Chen	nical Hazards		
Components	Туре	Value	
ethanolamine (CAS 141-43-5)	STEL	15 mg/m3	
		6 ppm	
	TWA	8 mg/m3	
		3 ppm	
turpentine (CAS 8006-64-2)	TWA	560 mg/m3	
		100 ppm	
US. Workplace Environmental Exp	oosure Level (WEEL) Guides		
Components	Type	Value	
1,1-difluoroethane (CAS	TWA	2700 mg/m3	
75-37-6)			

Material name: HydroForce® Super Citrus™ Heavy Duty Degreaser - 15 oz

No. 14440 (Item# 1004984) Version #: 02 Revision date: 12-28-2023 Issue date: 03-28-2019 3 / 10

No biological exposure limits noted for the ingredient(s).

# 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. Provide eyewash station and safety shower.

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

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

Skin protection

Hand protection Wear protective gloves such as: Nitrile. Rubber. Other Wear appropriate chemical resistant clothing.

If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a Respiratory protection

> 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

When using do not smoke. 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. Contaminated work clothing should not be allowed out of the workplace.

# 9. Physical and chemical properties

**Appearance** 

Liquid. **Physical state Form** Aerosol. Color Creamy white.

Citrus. Odor

Not available. **Odor threshold** 

Ηα 10

-139.9 °F (-95.5 °C) estimated Melting point/freezing point Initial boiling point and boiling 211.9 °F (100 °C) estimated

range

None. Flash point Slow **Evaporation rate** 

Flammability (solid, gas)

Upper/lower flammability or explosive limits 0.7 % estimated Explosive limit - lower (%) Explosive limit - upper (%) 23.5 % estimated

615.2 hPa estimated Vapor pressure

>1 (air = 1) Vapor density Relative density 0.96

Solubility(ies)

Solubility (water) Soluble. Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperature

302 °F (150 °C) estimated

Not available.

**Decomposition temperature** Not available. Not available. Viscosity

Other information

Percent volatile 90.2 % estimated

# 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.

SDS US

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid

Heat, flames and sparks. Contact with incompatible materials.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition

products

Oxides of d-limonene. Carbon oxides.

# 11. Toxicological information

# Information on likely routes of exposure

Prolonged inhalation may be harmful. Inhalation

Causes skin irritation. May cause an allergic skin reaction. Skin contact

Causes serious eye irritation. Eye contact

Based on available data, the classification criteria are not met. Ingestion

Symptoms related to the physical, chemical and toxicological characteristics Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction.

Dermatitis. Rash.

Information on toxicological effects

**Acute toxicity** Not known.

**Product Species Test Results** 

HydroForce® Super Citrus™ Heavy Duty Degreaser - 15 oz

Acute

**Dermal** 

LD50 Rabbit 10047 mg/kg

Inhalation

LC50 Rat 113 mg/l, 4 hours

Oral

LD50 7387 mg/kg Rat Components **Species Test Results** 

1,1-difluoroethane (CAS 75-37-6)

**Acute** 

Inhalation

LC50 Mouse 369000 ppm, 2 Hours

d-limonene (CAS 5989-27-5)

Acute

**Dermal** 

LD50 Rabbit 5 g/kg

Oral

LD50 Rat > 2000 mg/kg

ethanolamine (CAS 141-43-5)

**Acute** 

**Dermal** 

LD50 Rabbit 2504 mg/kg

Inhalation

Vapor

LC50 Rat > 1.48 mg/l, 4 hours

Oral

LD50 Rat 1089 mg/kg

orange, sweet. ext. (CAS 8028-48-6)

Acute **Dermal** 

LD50 Rabbit > 5 g/kg

Material name: HydroForce® Super Citrus™ Heavy Duty Degreaser - 15 oz

SDS US No. 14440 (Item# 1004984) Version #: 02 Revision date: 12-28-2023 Issue date: 03-28-2019

**Species Test Results** Components

Oral

LD50 Rat > 2 g/kg

soybean oil, methyl ester (CAS 67784-80-9)

Acute **Dermal** 

LD50 Rabbit 2000 - 20000 mg/kg

Oral

LD50 Rat 5000 - 15000 mg/kg

tallow alkyl amines, ethoxylated (CAS 61791-26-2)

**Acute Dermal** 

LD50 Rabbit > 10000 mg/kg

Oral

Rat LD50 300 - 2000 mg/kg

turpentine (CAS 8006-64-2)

**Acute Dermal** 

LD50 Rat 1100 mg/kg

Inhalation

LC50 Rat 3590 mg/l, 1 Hours

20 mg/l, 1 Hours

Oral

5760 mg/kg LD50 Rat

500 mg/kg

Causes skin irritation. Skin corrosion/irritation

Serious eye damage/eye

irritation

Causes serious eye irritation.

#### Respiratory or skin sensitization

# **ACGIH** sensitization

Turpentine and selected monoterpenes (CAS 8006-64-2) Dermal sensitization

Based on available data, the classification criteria are not met. Respiratory sensitization

Skin sensitization May cause an allergic skin reaction.

Germ cell mutagenicity Based on available data, the classification criteria are not met. Carcinogenicity Based on available data, the classification criteria are not met.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

d-limonene (CAS 5989-27-5) 3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

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

Not listed.

Based on available data, the classification criteria are not met. Reproductive toxicity Specific target organ toxicity -Based on available data, the classification criteria are not met.

single exposure

Specific target organ toxicity -

Based on available data, the classification criteria are not met.

repeated exposure **Aspiration hazard** 

Based on available data, the classification criteria are not met.

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

# 12. Ecological information

**Ecotoxicity** Toxic to aquatic life with long lasting effects. Components Species Test Results

tallow alkyl amines, ethoxylated (CAS 61791-26-2)

Aquatic Acute

Fish LC50 Rainbow trout, donaldson trout 0.13 mg/l, 96 hours

(Oncorhynchus mykiss)

Persistence and degradability No data is available on the degradability of any ingredients in the mixture.

**Bioaccumulative potential** 

Partition coefficient n-octanol / water (log Kow)

 1,1-difluoroethane
 0.75

 d-limonene
 4.57

 ethanolamine
 -1.31

 turpentine
 4.16 - 4.83

Mobility in soil No data available.

Other adverse effects The product contains volatile organic compounds which have a photochemical ozone creation

potential.

13. Disposal considerations

**Disposal instructions** The dispensed liquid product is not a RCRA hazardous waste (See 40 CFR Part 261.20 - 261.33).

Full or partially-full aerosol cans can be treated as universal waste. Empty container can be recycled. Contents under pressure. Do not incinerate sealed containers. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical

or used container. Dispose in accordance with all applicable regulations.

Hazardous waste code Not regulated.

However, it is the generator's responsibility to determine the proper classification and disposal

method at the time of disposal.

Contaminated packaging 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

DOT

UN number UN1950

UN proper shipping name

Aerosols, non-flammable, Limited Quantity

Transport hazard class(es)

Class 2.2 Subsidiary risk -Label(s) 2.2

Packing group Not assigned.

**Environmental hazards** 

Marine pollutant Yes, but exempt from the regulations.

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Packaging exceptions 306
Packaging non bulk None
Packaging bulk None

IATA

UN number UN1950

UN proper shipping name Aerosols, non-flammable, Limited Quantity

Transport hazard class(es)

Class 2.2 Subsidiary risk -

Packing group Not assigned.

ERG Code 2L

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo Allowed with restrictions.

aircraft

Cargo aircraft only Allowed with restrictions.

**IMDG** 

UN number UN1950

UN proper shipping name AEROSOLS, Limited Quantity

Transport hazard class(es)

Class 2.2 Subsidiary risk -

Packing group Not assigned.

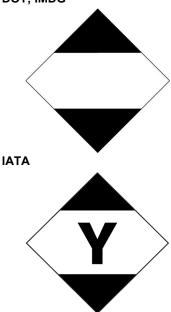
**Environmental hazards** 

Marine pollutant Yes, but exempt from the regulations.

EmS F-D, S-U

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

#### DOT; IMDG



# 15. Regulatory information

**US federal regulations** All components are on the U.S. EPA TSCA Inventory List.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

# SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed

**CERCLA Hazardous Substance List (40 CFR 302.4)** 

Not listed.

**CERCLA Hazardous Substances: Reportable quantity** 

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.

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

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

# Other federal regulations

# Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

1,1-difluoroethane (CAS 75-37-6)

Safe Drinking Water Act

Contains component(s) regulated under the Safe Drinking Water Act.

(SDWA)

Food and Drug Not regulated.

Administration (FDA)

# Superfund Amendments and Reauthorization Act of 1986 (SARA)

Classified hazard Flammable (gases, aerosols, liquids, or solids)

categories Gas under pressure Skin corrosion or irritation

Serious eye damage or eye irritation Respiratory or skin sensitization

# SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous Yes

chemical

SARA 313 (TRI reporting)

Not regulated.

#### **US state regulations**

# US. New Jersey Worker and Community Right-to-Know Act

1,1-DIFLUOROETHANE (CAS 75-37-6) ETHANOLAMINE (CAS 141-43-5) TURPENTINE (CAS 8006-64-2)

#### **US. Massachusetts RTK - Substance List**

2-Aminoethanol (CAS 141-43-5) Difluoroethane (CAS 75-37-6) Turpentine, oil (CAS 8006-64-2)

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

Ethanol, 2-amino- (CAS 141-43-5)

#### **US. Rhode Island RTK**

2-HYDROXYETHYLAMINE (CAS 141-43-5) TURPENTINE (CAS 8006-64-2)

#### **California Proposition 65**



WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

# California Proposition 65 - CRT: Listed date/Carcinogenic substance

beta-myrcene (CAS 123-35-3) Listed: March 27, 2015 diethanolamine (CAS 111-42-2) Listed: June 22, 2012

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

ethane-1,2-diol (CAS 107-21-1) Listed: June 19, 2015 methanol (CAS 67-56-1) Listed: March 16, 2012

# Volatile organic compounds (VOC) regulations

**EPA** 

**VOC content (40 CFR** 28.9 %

(40 CFR 59, Subpt. C)

51.100(s))

Consumer products Not regulated

State

**Consumer products** This product is regulated as a General Purpose Degreaser (aerosol). This product is compliant for

use in all 50 states.

VOC content (CA) 9.8 % VOC content (OTC) 9.8 %

# **International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No

Europe European List of Notified Chemical Substances (ELINCS)

Country(s) or region Inventory name On inventory (yes/no)\*

JapanInventory of Existing and New Chemical Substances (ENCS)NoKoreaExisting Chemicals List (ECL)No

Philippines Philippine Inventory of Chemicals and Chemical Substances

(PICCS)

Taiwan Taiwan Chemical Substance Inventory (TCSI)

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).

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

Issue date03-28-2019Revision date12-28-2023Prepared byAngelina Cibulskis

Version # 02

Further information CRC # 667C/1002699

**Disclaimer** 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's 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 (M)SDS consult your supervisor, a health & safety

professional, or CRC Industries, Inc..

**Revision information**This document has undergone significant changes and should be reviewed in its entirety.

Material name: HydroForce® Super Citrus™ Heavy Duty Degreaser - 15 oz

No. 14440 (Item# 1004984) Version #: 02 Revision date: 12-28-2023 Issue date: 03-28-2019 10 / 10

No