

SAFETY DATA SHEET

1. Identification

Product identifier	T-Force® Degreaser
Other means of identification	
Product code	03115
Recommended use	General purpose degreaser
Recommended restrictions	None known.
Manufacturer/Importer/Supplier	/Distributor information
Company name	CRC Industries, Inc.
Address	885 Louis Dr.
	Warminster, PA 18974 US
Telephone	
General Information	215-674-4300
Technical	800-521-3168
Assistance	
Customer Service	800-272-4620
24-Hour Emergency	800-424-9300 (US)
(CHEMTREC)	703-527-3887 (International)
Website	www.crcindustries.com

2. Hazard(s) identification

Physical hazards	Gases under pressure	Compressed gas
	Gases under pressure	Liquefied gas
Health hazards	Acute toxicity, oral	Category 4
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
	Aspiration hazard	Category 1
Environmental hazards	Not classified.	
OSHA defined hazards	Not classified.	
Label elements		
	$\wedge \wedge \wedge$	

Signal word

Precautionary statement Prevention

Hazard statement

Contains gas under pressure; may explode if heated. Contains gas under pressure; may explode if heated. Harmful if swallowed. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness.

Do not puncture or incinerate container. Do not expose to heat or store at temperatures above 49°C/120°F. 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. Do not eat, drink or smoke when using this product. Avoid breathing mist or vapor. Wear eye protection/face protection. Wear protective gloves. Wash thoroughly after handling.

Danger

Response	If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. Rinse mouth. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. 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 attention.
Storage	Store locked up. Protect from sunlight. Store in a well-ventilated place. Exposure to high temperature may cause can to burst.
Disposal	Dispose of contents/container in accordance with local/regional/national regulations.
Hazard(s) not otherwise classified (HNOC)	None known.

Supplemental information

When exposed to extreme heat or hot surfaces, vapors may decompose to harmful or fatal corrosive gases such as hydrogen fluoride, hydrogen chloride and possibly phosgene.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
1,1,1,2-tetrafluoroethane	HFC-134a	811-97-2	40 - 50
COzol® 207		Proprietary	40 - 50
decafluoropentane	HFC 43-10mee	138495-42-8	5 - 10
carbon dioxide		124-38-9	1 - 3

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

4. First-aid measures	
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin contact	Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. 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. If eye irritation persists: Get medical advice/attention.
Ingestion	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Most important symptoms/effects, acute and delayed	Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.
5. Fire-fighting measures	
Suitable extinguishing media	Water spray. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	None known.

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. When exposed to extreme heat or hot surfaces, vapors may decompose to harmful or fatal corrosive gases such as hydrogen fluoride, hydrogen chloride and possibly phosgene.
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 General fire hazards	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. Contents under pressure. Pressurized container may rupture when exposed to heat or flame.

6. Accidental release measures

0. Accidental release mea	
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 or vapor. 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). Keep combustibles (wood, paper, oil, etc.) away from spilled material. This product is miscible in water. 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.
Environmental precautions	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. Do not taste or swallow. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices. For product usage instructions, please 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. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

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 Contaminants (29 CFR 1910.1000)

Components	Туре	Value	
carbon dioxide (CAS 124-38-9)	PEL	9000 mg/m3	
		5000 ppm	
trans-1,2-dichloroethylene (CAS 156-60-5)	PEL	790 mg/m3	
. ,		200 ppm	
US. ACGIH Threshold Limit Value	S		
Components	Туре	Value	
carbon dioxide (CAS 124-38-9)	STEL	30000 ppm	
	TWA	5000 ppm	
trans-1,2-dichloroethylene (CAS 156-60-5)	TWA	200 ppm	
US. NIOSH: Pocket Guide to Cher	nical Hazards		
Components	Туре	Value	
carbon dioxide (CAS 124-38-9)	STEL	54000 mg/m3	
		30000 ppm	
	TWA	9000 mg/m3	
		5000 ppm	
trans-1,2-dichloroethylene (CAS 156-60-5)	TWA	790 mg/m3	

Components	Туре	Value
		200 ppm
	ronmental Exposure Level (WEEL) Guid	
Components	Туре	Value
1,1,1,2-tetrafluoroethane (CAS 811-97-2)	TWA	4240 mg/m3
		1000 ppm
Biological limit values	No biological exposure limits noted for	r the ingredient(s).
Appropriate engineering controls	should be matched to conditions. If an or other engineering controls to maintain the second	air changes per hour) should be used. Ventilation rates oplicable, use process enclosures, local exhaust ventilation, ain airborne levels below recommended exposure limits. If shed, maintain airborne levels to an acceptable level. Provide
Individual protection measure	s, such as personal protective equipme	ent
Eye/face protection	Wear safety glasses with side shields	(or goggles).
Skin protection		
Hand protection	Wear protective gloves such as: Nitrile	e. Viton®. Polyvinyl alcohol (PVA).
Other	Wear appropriate chemical resistant c	clothing.
Respiratory protection	NIOSH-approved cartridge respirator	e or if exposure exceeds the applicable exposure limits, use a with an organic vapor cartridge. Use a self-contained es and for emergencies. Air monitoring is needed to levels.
Thermal hazards	Wear appropriate thermal protective c	lothing, when necessary.
General hygiene considerations		e. Always observe good personal hygiene measures, such I and before eating, drinking, and/or smoking. Routinely upment to remove contaminants.

9. Physical and chemical properties

Appearance	
Physical state	Liquid.
Form	Aerosol.
Color	Clear. Colorless.
Odor	Slight ethereal.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	-119.2 °F (-84 °C) estimated
Initial boiling point and boiling range	119.7 °F (48.7 °C) estimated
Flash point	None (Tag Closed Cup)
Evaporation rate	Fast.
Flammability (solid, gas)	Not available.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	2 % estimated
Flammability limit - upper (%)	18 % estimated
Vapor pressure	4649 hPa estimated
Vapor density	> 1 (air = 1)
Relative density	1.25 estimated
Solubility (water)	Slight.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	860 °F (460 °C) estimated

Decomposition temperature	Not available.		
Viscosity (kinematic)	Not available.		
Percent volatile	97.9 % estimated		
10. Stability and reactivity	ty		
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	Heat, flames and sparks. Contact with incompatible materials. When exposed to extreme heat or hot surfaces, vapors may decompose to harmful or fatal corrosive gases such as hydrogen fluoride, hydrogen chloride and possibly phosgene.		
Incompatible materials	Strong oxidizing agents. Strong acids. Strong bases. Alkali metals. Alkaline earth metals. Powdered metal.		
Hazardous decomposition products	Carbon oxides. Hydrogen chloride. Phosgene. Hydrogen fluoride.		
11. Toxicological inform	ation		
Information on likely routes of	exposure		
Inhalation	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.		
Skin contact	Causes skin irritation.		
Eye contact	Causes serious eye irritation.	Causes serious eye irritation.	
Ingestion	Harmful if swallowed. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.		
Symptoms related to the physical, chemical and toxicological characteristics	Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.		
Information on toxicological ef	fects		
Acute toxicity		e anesthetic and may cause headache, fatigue, dizziness and a lay be fatal if swallowed and enters airways.	
Product	Species	Test Results	
T-Force® Degreaser			
<u>Acute</u>			
Dermal	Dobbit		
LD50	Rabbit	5033.2 mg/kg calculated	
Inhalation LC50	Rat	96.6 mg/l, 4 hours calculated	
	inal	Solo mg/i, 4 nouis calculated	
Oral LD50	Rat	1465.7 mg/kg calculated	
Components	Species	Test Results	
	340000	roothoodilg	

Pabhit	> 5000 mg/kg
Rabbit	> 5000 mg/kg
Rat	11058 mg/kg, 4 hours calculate
Rat	> 5000 mg/kg

Respiratory sensitization	Not a respiratory sensitizer.
Serious eye damage/eye irritation	Causes serious eye irritation.
Skin corrosion/irritation	Causes skin irritation.
1 7	I

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	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.			
IARC Monographs. Overall	Evaluation of	Carcinogenicity		
Not listed.		Panart an Carainagana		
US. National Toxicology Pr Not listed.	ogram (NTP) r	Report on Carcinogens		
	ulated Substa	nces (29 CFR 1910.1001-1050)		
Reproductive toxicity	This product	t is not expected to cause reproductive	e or developmental effects.	
Specific target organ toxicity - single exposure	-	May cause drowsiness and dizziness.		
Specific target organ toxicity - repeated exposure	Not classifie	d.		
Aspiration hazard		May be fatal if swallowed and enters airways. If aspirated into lungs during swallowing or vomiting, may cause chemical pneumonia, pulmonary injury or death.		
Chronic effects	Prolonged ir	nhalation may be harmful.		
12. Ecological informatio	n			
Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.			
Components		Species	Test Results	
decafluoropentane (CAS 138	495-42-8)			
Aquatic				
Acute		Water flee (Depheie magne)	11.7 mg/ 19 hours	
Crustacea Fish	EC50 LC50	Water flea (Daphnia magna)	11.7 mg/l, 48 hours	
FISH	LC50	Zebra danio (Danio rerio)	13 mg/l, 96 hours	
* Estimates for product may b	be based on ad	ditional component data not shown.		
Persistence and degradability Bioaccumulative potential	No data is a	vailable on the degradability of this pro	oduct.	
Partition coefficient n-octa	nol / water (log			
1,1,1,2-tetrafluoroethane		1.274		
decafluoropentane Mobility in soil	No data ava	2.7, Pow at 20 °C		
Other adverse effects			which have a photochemical ozone creation	
	potential.			
13. Disposal consideration	ons			
Disposal of waste from residues / unused products	The dispensed liquid product is not a RCRA hazardous waste (See 40 CFR Part 261.20 - 261.33). Empty container can be recycled. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. 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.			
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.			
14. Transport information	า			
DOT				
UN number UN proper shipping name Transport hazard class(es)	UN1950 Aerosols, no	on-flammable, Limited Quantity		
		in-hannable, Linned Quantity		

	Label(s)	2.2		
	Packing group	Not applicable. Read safety instructions, SDS and emergency procedures before handling.		
	Packaging exceptions	306		
	Packaging non bulk	None		
	Packaging bulk	None		
IAT				
	UN number	UN1950		
	UN proper shipping name Transport hazard class(es)	Aerosols, non-flammable, Limited Quantity		
	Class	2.2		
	Subsidiary risk	-		
	Packing group	Not applicable.		
	ERG Code	2L		
	Special precautions for user Other information	Read safety instructions, SDS and emergency procedures before handling.		
	Passenger and cargo	Allowed with restrictions.		
	aircraft			
	Cargo aircraft only	Allowed with restrictions.		
IMC	-	101/050		
	UN number UN proper shipping name	UN1950 AEROSOLS, Limited Quantity		
	Transport hazard class(es)	AEROSOES, Einited Quantity		
	Class	2		
	Subsidiary risk	-		
	Packing group	Not applicable.		
	Environmental hazards Marine pollutant	No.		
	EmS	Not available.		
	_	Read safety instructions, SDS and emergency procedures before handling.		
15	. Regulatory information	1		
	federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication		
	federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.		
	-	This product is 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.		
	TSCA Section 12(b) Export N	This product is 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. Iotification (40 CFR 707, Subpt. D)		
	TSCA Section 12(b) Export N decafluoropentane (CAS 1 SARA 304 Emergency releas	This product is 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.Iotification (40 CFR 707, Subpt. D)138495-42-8)1.0 % One-Time Export Notification only.		
	TSCA Section 12(b) Export N decafluoropentane (CAS 1 SARA 304 Emergency releas Not regulated.	This product is 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.Iotification (40 CFR 707, Subpt. D)I38495-42-8)1.0 % One-Time Export Notification only.Ide notification1.0 % One-Time Export Notification only.		
	TSCA Section 12(b) Export N decafluoropentane (CAS 1 SARA 304 Emergency releas Not regulated. US. OSHA Specifically Regul	This product is 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.Iotification (40 CFR 707, Subpt. D)138495-42-8)1.0 % One-Time Export Notification only.		
	TSCA Section 12(b) Export N decafluoropentane (CAS 1 SARA 304 Emergency releas Not regulated. US. OSHA Specifically Regul Not regulated. US EPCRA (SARA Title III) Se	This product is 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. Iotification (40 CFR 707, Subpt. D) 138495-42-8) 1.0 % One-Time Export Notification only. re notification Ideal Substances (29 CFR 1910.1001-1050) ection 313 - Toxic Chemical: Listed substance		
	 TSCA Section 12(b) Export N decafluoropentane (CAS 1 SARA 304 Emergency releas Not regulated. US. OSHA Specifically Regul Not regulated. US EPCRA (SARA Title III) Se cis-1,2-dichlorethylene (C/ 	This product is 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. Intification (40 CFR 707, Subpt. D) 138495-42-8) 1.0 % One-Time Export Notification only. The notification Internation Internation Internation Internation (29 CFR 1910.1001-1050) Internation (29 CFR 1910.1001-1050) Internation (29 CFR 1910.1001-1050) Internation (29 CFR 1910.1001-1050)		
	 TSCA Section 12(b) Export N decafluoropentane (CAS 1 SARA 304 Emergency releas Not regulated. US. OSHA Specifically Regul Not regulated. US EPCRA (SARA Title III) Sec cis-1,2-dichlorethylene (C/ CERCLA Hazardous Substan trans-1,2-dichloroethylene 	This product is 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. Iotification (40 CFR 707, Subpt. D) 138495-42-8) 1.0 % One-Time Export Notification only. e notification Hated Substances (29 CFR 1910.1001-1050) ection 313 - Toxic Chemical: Listed substance AS 156-59-2) Ice List (40 CFR 302.4) (CAS 156-60-5) Listed.		
	 TSCA Section 12(b) Export N decafluoropentane (CAS 1 SARA 304 Emergency releas Not regulated. US. OSHA Specifically Regul Not regulated. US EPCRA (SARA Title III) Section 1,2-dichlorethylene (C/ CERCLA Hazardous Substant trans-1,2-dichloroethylene CERCLA Hazardous Substant 	This product is 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. Iotification (40 CFR 707, Subpt. D) 138495-42-8) 1.0 % One-Time Export Notification only. e notification Iated Substances (29 CFR 1910.1001-1050) ection 313 - Toxic Chemical: Listed substance AS 156-59-2) nce List (40 CFR 302.4) (CAS 156-60-5) Listed. nces: Reportable quantity		
	 TSCA Section 12(b) Export N decafluoropentane (CAS 1 SARA 304 Emergency releas Not regulated. US. OSHA Specifically Regul Not regulated. US EPCRA (SARA Title III) Se cis-1,2-dichlorethylene (C/ CERCLA Hazardous Substant trans-1,2-dichloroethylene 	This product is 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. Iotification (40 CFR 707, Subpt. D) 138495-42-8) 1.0 % One-Time Export Notification only. re notification Iated Substances (29 CFR 1910.1001-1050) ection 313 - Toxic Chemical: Listed substance AS 156-59-2) ince List (40 CFR 302.4) (CAS 156-60-5) Listed. inces: Reportable quantity (CAS 156-60-5) 1000 LBS		
	 TSCA Section 12(b) Export N decafluoropentane (CAS 1 SARA 304 Emergency releas Not regulated. US. OSHA Specifically Regul Not regulated. US EPCRA (SARA Title III) Se cis-1,2-dichlorethylene (C/ CERCLA Hazardous Substan trans-1,2-dichloroethylene CERCLA Hazardous Substan trans-1,2-dichloroethylene Spills or releases resulting 	This product is 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. Iotification (40 CFR 707, Subpt. D) 138495-42-8) 1.0 % One-Time Export Notification only. e notification Iated Substances (29 CFR 1910.1001-1050) ection 313 - Toxic Chemical: Listed substance AS 156-59-2) nce List (40 CFR 302.4) (CAS 156-60-5) Listed. nces: Reportable quantity		
	 TSCA Section 12(b) Export N decafluoropentane (CAS 1 SARA 304 Emergency releas Not regulated. US. OSHA Specifically Regul Not regulated. US EPCRA (SARA Title III) Section 1,2-dichlorethylene (C/ CERCLA Hazardous Substant trans-1,2-dichloroethylene CERCLA Hazardous Substant trans-1,2-dichloroethylene Spills or releases resulting Response Center (800-42- 	This product is 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. Iotification (40 CFR 707, Subpt. D) 138495-42-8) 1.0 % One-Time Export Notification only. e notification lated Substances (29 CFR 1910.1001-1050) ection 313 - Toxic Chemical: Listed substance AS 156-59-2) nce List (40 CFR 302.4) (CAS 156-60-5) Listed. nces: Reportable quantity (CAS 156-60-5) 1000 LBS in the loss of any ingredient at or above its RQ require immediate notification to the National		
	 TSCA Section 12(b) Export N decafluoropentane (CAS 1 SARA 304 Emergency releas Not regulated. US. OSHA Specifically Regul Not regulated. US EPCRA (SARA Title III) Se cis-1,2-dichlorethylene (C/ CERCLA Hazardous Substan trans-1,2-dichloroethylene CERCLA Hazardous Substan trans-1,2-dichloroethylene Spills or releases resulting Response Center (800-42) Clean Air Act (CAA) Section Not regulated. 	This product is 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. Iotification (40 CFR 707, Subpt. D) 138495-42-8) 1.0 % One-Time Export Notification only. e notification Iated Substances (29 CFR 1910.1001-1050) ection 313 - Toxic Chemical: Listed substance AS 156-59-2) ince List (40 CFR 302.4) (CAS 156-60-5) Listed. in the loss of any ingredient at or above its RQ require immediate notification to the National 4-8802) and to your Local Emergency Planning Committee. 112 Hazardous Air Pollutants (HAPs) List		
	 TSCA Section 12(b) Export N decafluoropentane (CAS 1 SARA 304 Emergency releas Not regulated. US. OSHA Specifically Regul Not regulated. US EPCRA (SARA Title III) Se cis-1,2-dichlorethylene (C/ CERCLA Hazardous Substan trans-1,2-dichloroethylene CERCLA Hazardous Substan trans-1,2-dichloroethylene Spills or releases resulting Response Center (800-42- Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section 	This product is 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. Iotification (40 CFR 707, Subpt. D) 138495-42-8) 1.0 % One-Time Export Notification only. re notification Idea Substances (29 CFR 1910.1001-1050) rection 313 - Toxic Chemical: Listed substance AS 156-59-2) nec List (40 CFR 302.4) (CAS 156-60-5) Listed. nces: Reportable quantity (CAS 156-60-5) 1000 LBS jin the loss of any ingredient at or above its RQ require immediate notification to the National 4-8802) and to your Local Emergency Planning Committee.		
	 TSCA Section 12(b) Export N decafluoropentane (CAS 1 SARA 304 Emergency releas Not regulated. US. OSHA Specifically Regul Not regulated. US EPCRA (SARA Title III) Secis-1,2-dichlorethylene (C/ CERCLA Hazardous Substant trans-1,2-dichloroethylene CERCLA Hazardous Substant trans-1,2-dichloroethylene CERCLA Hazardous Substant trans-1,2-dichloroethylene Spills or releases resulting Response Center (800-42) Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Not regulated. 	This product is 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. Iotification (40 CFR 707, Subpt. D) 138495-42-8) 1.0 % One-Time Export Notification only. e notification lated Substances (29 CFR 1910.1001-1050) ection 313 - Toxic Chemical: Listed substance AS 156-59-2) ince List (40 CFR 302.4) (CAS 156-60-5) Listed. inces: Reportable quantity (CAS 156-60-5) 1000 LBS in the loss of any ingredient at or above its RQ require immediate notification to the National 4-8802) and to your Local Emergency Planning Committee. 112 Hazardous Air Pollutants (HAPs) List 112(r) Accidental Release Prevention (40 CFR 68.130)		
	 TSCA Section 12(b) Export N decafluoropentane (CAS 1 SARA 304 Emergency releas Not regulated. US. OSHA Specifically Regult Not regulated. US EPCRA (SARA Title III) Secis-1,2-dichlorethylene (C/ CERCLA Hazardous Substant trans-1,2-dichloroethylene CERCLA Hazardous Substant trans-1,2-dichloroethylene Spills or releases resulting Response Center (800-42) Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Not regulated. Safe Drinking Water Act (SDWA) 	This product is 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. Notification (40 CFR 707, Subpt. D) 138495-42-8) 1.0 % One-Time Export Notification only. e notification Hated Substances (29 CFR 1910.1001-1050) ection 313 - Toxic Chemical: Listed substance AS 156-59-2) hee List (40 CFR 302.4) (CAS 156-60-5) Listed. hees: Reportable quantity (CAS 156-60-5) 1000 LBS in the loss of any ingredient at or above its RQ require immediate notification to the National 4-8802) and to your Local Emergency Planning Committee. 112 Hazardous Air Pollutants (HAPs) List 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated.		
	 TSCA Section 12(b) Export N decafluoropentane (CAS 1 SARA 304 Emergency releas Not regulated. US. OSHA Specifically Regul Not regulated. US EPCRA (SARA Title III) Secis-1,2-dichlorethylene (C/ CERCLA Hazardous Substant trans-1,2-dichloroethylene CERCLA Hazardous Substant trans-1,2-dichloroethylene CERCLA Hazardous Substant trans-1,2-dichloroethylene Spills or releases resulting Response Center (800-42- Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Not regulated. Safe Drinking Water Act 	This product is 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. Iotification (40 CFR 707, Subpt. D) 138495-42-8) 1.0 % One-Time Export Notification only. e notification lated Substances (29 CFR 1910.1001-1050) ection 313 - Toxic Chemical: Listed substance AS 156-59-2) ince List (40 CFR 302.4) (CAS 156-60-5) Listed. inthe loss of any ingredient at or above its RQ require immediate notification to the National 4-8802) and to your Local Emergency Planning Committee. 112 Hazardous Air Pollutants (HAPs) List 112(r) Accidental Release Prevention (40 CFR 68.130)		

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 311/312 Hazard categories	Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - No Pressure Hazard - Yes Reactivity Hazard - No
SARA 302 Extremely hazardous substance	No

US state regulations

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd.

(a))

trans-1,2-dichloroethylene (CAS 156-60-5)

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

carbon dioxide (CAS 124-38-9) cis-1,2-dichlorethylene (CAS 156-59-2) isopropyl alcohol (CAS 67-63-0) trans-1,2-dichloroethylene (CAS 156-60-5)

US. Massachusetts RTK - Substance List carbon dioxide (CAS 124-38-9) trans-1,2-dichloroethylene (CAS 156-60-5)

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

carbon dioxide (CAS 124-38-9) cis-1,2-dichlorethylene (CAS 156-59-2) isopropyl alcohol (CAS 67-63-0) trans-1,2-dichloroethylene (CAS 156-60-5)

US. Rhode Island RTK

carbon dioxide (CAS 124-38-9) cis-1,2-dichlorethylene (CAS 156-59-2) trans-1,2-dichloroethylene (CAS 156-60-5)

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

Volatile organic compounds (VOC) regulations

EPA

LFA	
VOC content (40 CFR 51.100(s))	42.4 %
Consumer products (40 CFR 59, Subpt. C)	Not regulated
State	
Consumer products	This product is regulated as a General Purpose Degreaser (aerosol). This product is not compliant to be sold for use in California, Delaware, New Hampshire, and the following counties in Utah: Box Elder, Cache, Davis, Salt Lake, Tooele, Utah and Weber. This product is compliant in all other states.
VOC content (CA)	49.9 %
VOC content (OTC)	42.4 %

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)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
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)	Yes
Korea	Existing Chemicals List (ECL)	Yes
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

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory

*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 date	06-24-2014
Revision date	12-29-2016
Prepared by	Allison Cho
Version #	04
Further information	CRC # 697
HMIS® ratings	Health: 2 Flammability: 1 Physical hazard: 0 Personal protection: B
NFPA ratings	Health: 2 Flammability: 1 Instability: 0
NFPA ratings	
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.

Yes