

SAFETY DATA SHEET

	1. Product and Company Ident	ification
Product identifier	Rx11-Flush Aerosol (4300-08, 4300-09, 4300	0-10, 4300-11)
Other means of identification	Not available	
Recommended use	For flushing AC and refrigeration systems	
Recommended restrictions	None known.	
Manufacturer information	Nu-Calgon 2611 Schuetz Road St. Louis, MO 63043 US Phone: 314-469-7000 / 800-554-5499 Emergency Phone: 1-800-424-9300 (CHEMTR	REC)
Supplier	See above.	
	2. Hazards Identification	1
Physical hazards	Gases under pressure	Liquefied gas
Health hazards	Acute toxicity, inhalation	Category 4
	Serious eye damage/eye irritation	Category 2
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
Environmental hazards	Not classified.	
WHMIS 2015 defined hazards	Not classified	
Label elements		
Signal word	Warning	
Hazard statement	Contains gas under pressure; may explode if heated. Harmful if inhaled. Causes serious eye irritation. May cause drowsiness or dizziness.	
Precautionary statement		
Prevention	Avoid breathing mist or vapor. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Wear eye protection.	
Response	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER 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	Protect from sunlight. Store in a well-ventilated place. Keep container tightly closed. Store locked up.	
Disposal	Dispose of container in accordance with local,	regional, national and international regulations.
WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC)	None known	
WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)	None known	
Hazard(s) not otherwise classified (HNOC)	None known.	
Supplemental information	None.	
	3. Composition/Information on Ir	aredients

Mixture

Chemical name	Common name and synonyms	CAS number	%
(E)-1,2-Dichloroethene		156-60-5	40-70*
Butane, 1,1,1,3,3-pentafluoro-		406-58-6	5-10*
Dimethyl carbonate		616-38-6	1-5*

Chemical name	Common name and synonyms	CAS number	%
Ethane, 1,1,1,2-tetrafluoro-		811-97-2	10-30*
Pentane, 1,1,1,2,2,3,4,5,5,5-decafluoro-		138495-42-8	5-10*
All concentrations are in percent by	/ weight unless ingredient is a gas. Gas conce	ntrations are in percent by vol	ume.
Composition comments	US GHS: The exact percentage (concentration secret in accordance with paragraph (i) of §1 *CANADA GHS: The exact percentage (concentrate secret.	910.1200.	
	4. First Aid Measures	3	
Inhalation	IF INHALED: Remove person to fresh air and CENTER or doctor if you feel unwell.	d keep comfortable for breathi	ng. Call a POISON
Skin contact	Flush with cool water. Wash with soap and w	vater. Obtain medical attentior	n if irritation persists.
Eye contact	IF IN EYES: Rinse cautiously with water for s and easy to do. Continue rinsing. If eye irritat		
Ingestion	Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious or is convulsir Obtain medical attention.		
Most important symptoms/effects, acute and delayed	Symptoms may include stinging, tearing, red and pain.	ness, swelling, and blurred vis	sion. May cause redness
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and tre give oxygen. Symptoms may be delayed.	eat symptomatically. In case o	f shortness of breath,
General information	Ensure that medical personnel are aware of a protect themselves. In the case of accident of (show the label where possible). Use of an in data sheet to the doctor in attendance. Avoid children.	or if you feel unwell, seek med mpervious apron is recommen	ical advice immediately ded. Show this safety
	5. Fire Fighting Measur	res	
Suitable extinguishing media	Alcohol foam. Carbon dioxide. Dry chemical.	Fog.	
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as the	nis will spread the fire.	
Specific hazards arising from the chemical	During fire, gases hazardous to health may b	be formed.	
Special protective equipment and precautions for firefighters	Firefighters should wear full protective clothin	ng including self-contained bre	eathing apparatus.
Fire-fighting equipment/instructions	In case of fire: Stop leak if safe to do so. Mov risk. Cool containers with flooding quantities cargo area, use unmanned hose holder or m burn out.	of water until well after fire is	out. For massive fire in
Specific methods	Use standard firefighting procedures and cor	nsider the hazards of other inv	olved materials.
General fire hazards	Contents under pressure. Pressurized contain	, , , , ,	ed to heat or flame.
Hazardous combustion products	May include and are not limited to: Oxides of	carbon.	
	6. Accidental Release Mea	isures	
Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep ou and clothing during clean-up. Fully encapsula spills and leaks with no fire. Do not touch dar appropriate protective clothing. Avoid inhalat from and upwind of spill/leak. Ensure adequa significant spillages cannot be contained. Fo	ating, vapor protective clothing maged containers or spilled m ion of vapors and spray mists ate ventilation. Local authoritie	g should be worn for aterial unless wearing . Keep people away es should be advised if
Methods and materials for containment and cleaning up	Large Spills: Stop the flow of material, if this possible. Cover with plastic sheet to prevent and place into containers. Following product	spreading. Absorb in vermicu	lite, dry sand or earth
	Small Spills: Wipe up with absorbent materia remove residual contamination.	Il (e.g. cloth, fleece). Clean su	rface thoroughly to
	Never return spills to original containers for re	e-use. For waste disposal, se	e section 13 of the SDS.

	S Avoid discharge into drains, water courses or onto the ground. Do not discharge into lakes, streams, ponds or public waters.	
	7. Handling and	Storage
ecautions for safe handling	Do not taste or swallow. Avoid breathing vapor. Avoid contact with eyes, skin and clothing. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Use good industrial hygiene practices in handling this material. When using, do not eat, drink or smoke Wash thoroughly after handling. Keep container tightly closed.	
nditions for safe storage, Iuding any incompatibilities	Store locked up. Store in a closed container away from incompatible materials. Store in a well-ventilated place. Refrigeration recommended. Store away from incompatible materials (se Section 10 of the SDS). Keep out of reach of children.	
	8. Exposure Controls/Per	sonal Protection
cupational exposure limits		
	upational Health & Safety Code, Sche	
Components (E)-1,2-Dichloroethene	Type TWA	793 mg/m3
(CAS 156-60-5)	IWA	793 mg/m3
		200 ppm
Canada. British Columbia O Safety Regulation 296/97, as		for Chemical Substances, Occupational Health and
Components	Туре	Value
(E)-1,2-Dichloroethene (CAS 156-60-5)	TWA	200 ppm
•	eg. 217/2006, The Workplace Safety A	•
Components	Туре	Value
(E)-1,2-Dichloroethene (CAS 156-60-5)	TWA	200 ppm
,	ntrol of Exposure to Biological or Che	emical Agents)
Components		
oomponento	Туре	Value
(E)-1,2-Dichloroethene (CAS 156-60-5)	Type TWA	Value 200 ppm
(E)-1,2-Dichloroethene (CAS 156-60-5)	TWA	
(E)-1,2-Dichloroethene (CAS 156-60-5) Canada. Quebec OELs. (Min	TWA	200 ppm
(E)-1,2-Dichloroethene (CAS 156-60-5) Canada. Quebec OELs. (Min Components	TWA istry of Labor - Regulation Respectir Type	200 ppm ng the Quality of the Work Environment) Value 793 mg/m3
(E)-1,2-Dichloroethene (CAS 156-60-5) Canada. Quebec OELs. (Min Components (E)-1,2-Dichloroethene (CAS 156-60-5)	TWA iistry of Labor - Regulation Respectir Type TWA	200 ppm ng the Quality of the Work Environment) Value 793 mg/m3 200 ppm
(E)-1,2-Dichloroethene (CAS 156-60-5) Canada. Quebec OELs. (Min Components (E)-1,2-Dichloroethene (CAS 156-60-5)	TWA istry of Labor - Regulation Respectin Type TWA	200 ppm ng the Quality of the Work Environment) Value 793 mg/m3 200 ppm
(E)-1,2-Dichloroethene (CAS 156-60-5) Canada. Quebec OELs. (Min Components (E)-1,2-Dichloroethene (CAS 156-60-5) US. OSHA Table Z-1 Limits f Components (E)-1,2-Dichloroethene	TWA iistry of Labor - Regulation Respectir Type TWA	200 ppm ng the Quality of the Work Environment) Value 793 mg/m3 200 ppm 000)
(E)-1,2-Dichloroethene (CAS 156-60-5) Canada. Quebec OELs. (Min Components (E)-1,2-Dichloroethene (CAS 156-60-5) US. OSHA Table Z-1 Limits f Components	TWA nistry of Labor - Regulation Respectin Type TWA for Air Contaminants (29 CFR 1910.10 Type	200 ppm ag the Quality of the Work Environment) Value 793 mg/m3 200 ppm 000) Value 790 mg/m3
(E)-1,2-Dichloroethene (CAS 156-60-5) Canada. Quebec OELs. (Min Components (E)-1,2-Dichloroethene (CAS 156-60-5) US. OSHA Table Z-1 Limits f Components (E)-1,2-Dichloroethene (CAS 156-60-5)	TWA nistry of Labor - Regulation Respectin Type TWA for Air Contaminants (29 CFR 1910.10 Type PEL	200 ppm ag the Quality of the Work Environment) Value 793 mg/m3 200 ppm Value Value
(E)-1,2-Dichloroethene (CAS 156-60-5) Canada. Quebec OELs. (Min Components (E)-1,2-Dichloroethene (CAS 156-60-5) US. OSHA Table Z-1 Limits f Components (E)-1,2-Dichloroethene (CAS 156-60-5) US. ACGIH Threshold Limit	TWA TWA iistry of Labor - Regulation Respectin Type TWA for Air Contaminants (29 CFR 1910.10 Type PEL Values	200 ppm ag the Quality of the Work Environment) Value 793 mg/m3 200 ppm 000) Value 790 mg/m3
(E)-1,2-Dichloroethene (CAS 156-60-5) Canada. Quebec OELs. (Min Components (E)-1,2-Dichloroethene (CAS 156-60-5) US. OSHA Table Z-1 Limits f Components (E)-1,2-Dichloroethene (CAS 156-60-5)	TWA nistry of Labor - Regulation Respectin Type TWA for Air Contaminants (29 CFR 1910.10 Type PEL	200 ppm ng the Quality of the Work Environment) Value 793 mg/m3 200 ppm 000) Value 790 mg/m3 200 ppm
(E)-1,2-Dichloroethene (CAS 156-60-5) Canada. Quebec OELs. (Min Components (E)-1,2-Dichloroethene (CAS 156-60-5) US. OSHA Table Z-1 Limits f Components (E)-1,2-Dichloroethene (CAS 156-60-5) US. ACGIH Threshold Limit Components (E)-1,2-Dichloroethene	TWA TWA iistry of Labor - Regulation Respectin Type TWA for Air Contaminants (29 CFR 1910.10 Type PEL Values Type TWA	200 ppm ng the Quality of the Work Environment) Value 793 mg/m3 200 ppm 000) Value 790 mg/m3 200 ppm Value 200 ppm 200 ppm
(E)-1,2-Dichloroethene (CAS 156-60-5) Canada. Quebec OELs. (Min Components (E)-1,2-Dichloroethene (CAS 156-60-5) US. OSHA Table Z-1 Limits f Components (E)-1,2-Dichloroethene (CAS 156-60-5) US. ACGIH Threshold Limit Components (E)-1,2-Dichloroethene (CAS 156-60-5) US. NIOSH: Pocket Guide to Components	TWA TWA iistry of Labor - Regulation Respectin Type TWA for Air Contaminants (29 CFR 1910.10 Type PEL Values Type TWA O Chemical Hazards Type	200 ppm ag the Quality of the Work Environment) Value 793 mg/m3 200 ppm Value 790 mg/m3 200 ppm Value 200 ppm Value Value Value
(E)-1,2-Dichloroethene (CAS 156-60-5) Canada. Quebec OELs. (Min Components (E)-1,2-Dichloroethene (CAS 156-60-5) US. OSHA Table Z-1 Limits f Components (E)-1,2-Dichloroethene (CAS 156-60-5) US. ACGIH Threshold Limit Components (E)-1,2-Dichloroethene (CAS 156-60-5) US. NIOSH: Pocket Guide to	TWA TWA istry of Labor - Regulation Respectin Type TWA for Air Contaminants (29 CFR 1910.10 Type PEL Values Type TWA	200 ppm ng the Quality of the Work Environment) Value 793 mg/m3 200 ppm 000) Value 790 mg/m3 200 ppm Value 200 ppm 200 ppm
(E)-1,2-Dichloroethene (CAS 156-60-5) Canada. Quebec OELs. (Min Components (E)-1,2-Dichloroethene (CAS 156-60-5) US. OSHA Table Z-1 Limits f Components (E)-1,2-Dichloroethene (CAS 156-60-5) US. ACGIH Threshold Limit Components (E)-1,2-Dichloroethene (CAS 156-60-5) US. NIOSH: Pocket Guide to Components (E)-1,2-Dichloroethene	TWA TWA iistry of Labor - Regulation Respectin Type TWA for Air Contaminants (29 CFR 1910.10 Type PEL Values Type TWA O Chemical Hazards Type	200 ppm ag the Quality of the Work Environment) Value 793 mg/m3 200 ppm Value 790 mg/m3 200 ppm Value 200 ppm Value Value Value
(E)-1,2-Dichloroethene (CAS 156-60-5) Canada. Quebec OELs. (Min Components (E)-1,2-Dichloroethene (CAS 156-60-5) US. OSHA Table Z-1 Limits f Components (E)-1,2-Dichloroethene (CAS 156-60-5) US. ACGIH Threshold Limit Components (E)-1,2-Dichloroethene (CAS 156-60-5) US. NIOSH: Pocket Guide to Components (E)-1,2-Dichloroethene (CAS 156-60-5)	TWA TWA iistry of Labor - Regulation Respectin Type TWA for Air Contaminants (29 CFR 1910.10 Type PEL Values Type TWA O Chemical Hazards Type	200 ppm ag the Quality of the Work Environment) Value 793 mg/m3 200 ppm 000) Value 790 mg/m3 200 ppm Value Value 200 ppm Value 200 ppm 200 ppm
(E)-1,2-Dichloroethene (CAS 156-60-5) Canada. Quebec OELs. (Min Components (E)-1,2-Dichloroethene (CAS 156-60-5) US. OSHA Table Z-1 Limits f Components (E)-1,2-Dichloroethene (CAS 156-60-5) US. ACGIH Threshold Limit Components (E)-1,2-Dichloroethene (CAS 156-60-5) US. NIOSH: Pocket Guide to Components (E)-1,2-Dichloroethene (CAS 156-60-5) US. NIOSH: Pocket Guide to Components (E)-1,2-Dichloroethene (CAS 156-60-5) US. AIHA Workplace Environ	TWA TWA istry of Labor - Regulation Respectir Type TWA for Air Contaminants (29 CFR 1910.10 Type PEL Values Type TWA O Chemical Hazards Type TWA TWA NA	200 ppm ag the Quality of the Work Environment) Value 793 mg/m3 200 ppm 000) Value 790 mg/m3 200 ppm Value 200 ppm Value 200 ppm 400 ppm 200 ppm

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	Tightly fitting safety goggles.	
Skin protection		
Hand protection	Impervious gloves. Confirm with reputable supplier first. Avoid contact with the skin.	
Other	Wear suitable protective clothing. As required by employer code.	
Respiratory protection	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).	
Thermal hazards	Not applicable.	
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. When using do not eat or drink.	

9. Physical and Chemical Properties

Appearance	Clear
Physical state	Gas.
Form	Liquefied gas.
Color	Colorless
Odor	Slight ethereal.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	105.8 °F (41 °C)
Pour point	Not available.
Specific gravity	Not available.
Partition coefficient (n-octanol/water)	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	> 5
Flammability limit - upper (%)	< 14.4
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	284 mm Hg
Vapor density	3.4 (air = 1)
Relative density	Not available.
Solubility(ies)	0.4 g/100g H2O @ 20°C
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Percent volatile	100 %
VOC (Weight %)	697 g/l

10. Stability and Reactivity

Reactivity	May react with strong bases or oxidizing agents. Alkali metals. Powdered metal.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon. Hydrogen fluoride.

11. Toxicological Information

Routes of exposure	Eye, Skin contact, Inhalation, Ingestion.			
Information on likely routes of	exposure			
Ingestion	May cause stomach distress, nausea or vo	pmiting.		
Inhalation	Harmful if inhaled. May cause drowsiness	Harmful if inhaled. May cause drowsiness and dizziness. Headache. Nausea, vomiting.		
Skin contact	No adverse effects due to skin contact are expected.			
Eye contact	Causes serious eye irritation.			
Symptoms related to the physical, chemical and toxicological characteristics	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation.			
Information on toxicological ef	fects			
Acute toxicity	Harmful if inhaled. Narcotic effects.			
Components	Species	Test Results		
(E)-1,2-Dichloroethene (CAS 156	6-60-5)			
Acute				
Dermal		5000 // 5014		
LD50	Rabbit	> 5000 mg/kg, ECHA		
Inhalation LC50	Mouse	21723 ppm, 6 Hours		
LCOU				
	Rat	> 95552 mg/m3, 4 Hours, ECHA		
		> 24100 ppm, 4 Hours, ECHA		
Oral LD50	Rat	0020 mg/kg ECHA famala		
LDS0	Nai	9939 mg/kg, ECHA, female		
		7902 mg/kg, ECHA, male		
		1235 mg/kg		
Butane, 1,1,1,3,3-pentafluoro- (C	CAS 406-58-6)			
Acute				
Inhalation LC50	Rat	100000 ppm, 4 hours, Harp International		
2000	hat	Limited		
Oral				
LD50	Rat	> 2000 mg/kg, Harp International Limited		
Dimethyl carbonate (CAS 616-38	3-6)			
Acute				
Dermal				
LD50	Rabbit	> 2000 mg/kg, 24 Hours, ECHA		
Inhalation				
LC50	Rat	> 5.4 mg/L		
		> 5.4 mg/L, 4 hours, ECHA		
Oral		5000		
LD50	-	> 5000 mg/kg		
	Rat	> 5000 mg/kg, ECHA		

Components	Species	Test Results
Ethane, 1,1,1,2-tetrafluoro- (CAS 8	11-97-2)	
Acute		
Dermal		
LD50	Not available	
Inhalation	_	
LC50	Rat	1500000 mg/m³, 4 hours, Sigma Aldrich
Oral		
LD50	Not available	
Pentane, 1,1,1,2,2,3,4,5,5,5-decafl	uoro- (CAS 138495-42-8)	
Acute		
Dermal		
LD50	Rabbit	> 5000 mg/kg, ECHA
Inhalation		
LC50	Rat	15463 mg/m ³ , 4 hours, ECHA
		11100 ppm, 4 hours, ECHA
Oral	_	
LD50	Rat	> 5000 mg/kg, ECHA
Skin corrosion/irritation	Prolonged skin contact may cause temporary irrita	tion.
Exposure minutes	Not available.	
Erythema value	Not available.	
Oedema value	Not available.	
Serious eye damage/eye irritation	Causes serious eye irritation.	
Corneal opacity value	Not available.	
Iris lesion value	Not available.	
Conjunctival reddening	Not available.	
value		
Conjunctival oedema value	Not available.	
Recover days	Not available.	
Respiratory or skin sensitization		
Respiratory sensitization	Not a respiratory sensitizer.	
Skin sensitization	This product is not expected to cause skin sensitiz	ation.
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Carcinogenicity	No ingredients listed by IARC, ACGIH, NTP or OSHA.	
US. OSHA Specifically Regu	lated Substances (29 CFR 1910.1001-1050)	
Not listed.		
Reproductive toxicity	This product is not expected to cause reproductive	e or developmental effects.
Teratogenicity	Not available.	
Specific target organ toxicity - single exposure	May cause drowsiness and dizziness.	
Specific target organ toxicity - repeated exposure	Not classified.	
Aspiration hazard	Not an aspiration hazard.	
Chronic effects	Prolonged inhalation may be harmful.	
	12. Ecological Information	
Ecotoxicity	See below	
Ecotoxicological data		
Components	Species	Test Results
(E)-1,2-Dichloroethene (CAS 156-6	60-5)	
Aquatic		
Fish	LC50 Bluegill (Lepomis macrochirus)	120 - 160 mg/L, 96 hours
Persistence and degradability	No data is available on the degradability of this pro-	oduct.

Bioaccumulative potential		
Mobility in soil	No data available.	
Mobility in general	Not available.	
Other adverse effects	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	
Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.	
Local disposal regulations	Dispose in accordance with all applicable regulations.	
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.	
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).	
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	
Transport of Dangerous Goods (TDG) Proof of Classification	Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below.	
U.S. Department of Transportation	on (DOT)	
Basic shipping requirement	S:	
UN number	UN1950	
Proper shipping name	Aerosols, non-flammable, (each not exceeding 1 L capacity)	
Hazard class	Limited Quantity - US <1L - Limited Quantity	
Packaging exceptions Packaging non bulk	None	
Packaging bulk	None	
Transportation of Dangerous Go	ods (TDG - Canada)	
Basic shipping requirements		
UN number	UN1950	
Proper shipping name	AEROSOLS, non-flammable	
Hazard class	Limited Quantity - Canada	
Special provisions	80, 107	
Packaging exceptions	<1L - Limited Quantity	
IATA/ICAO (Air)		
Basic shipping requirements		
UN number	UN1950	
Proper shipping name	Aerosols, non-flammable	
Hazard class ERG code	Limited Quantity - IATA 2L	
IMDG (Marine Transport)		
Basic shipping requirements	s:	
UN number	UN1950	
Proper shipping name	AEROSOLS	
Hazard class	Limited Quantity - IMDG	
Hazard class DOT; IMDG; TDG	Limited Quantity - IMDG	

	15. Regula	tory Information	n
Canadian federal regulations	This product has been clas contains all the information		with the hazard criteria of the HPR and the SDS
	Prior to importation, please Alternatives Regulations, S		ne-depleting Substances and Halocarbon
Canada CEPA Schedule I: L	isted substance		
Butane, 1,1,1,3,3-pentafl Ethane, 1,1,1,2-tetrafluor Pentane, 1,1,1,2,2,3,4,5, 138495-42-8)	ro- (CAS 811-97-2)	Listed. Listed. Listed.	
Export Control List (CEPA 1	999, Schedule 3)		
Not listed. Greenhouse Gases			
Ethane, 1,1,1,2-tetrafluor	CAS 811 07 2)		
	5,5-decafluoro- (CAS 138495	-42-8)	
Not regulated.			
WHMIS 2015 Exemptions	Not applicable		
US federal regulations	This product is a "Hazardou Standard, 29 CFR 1910.12		ned by the OSHA Hazard Communication
	138495-42-8: SNUR: 40 CF	FR 721.5645	
TSCA Section 12(b) Export	-		
Pentane, 1,1,1,2,2,3,4,5,3 138495-42-8)	5,5-decatiuoro- (CAS	1.0 % One-Time	Export Notification only.
CERCLA Hazardous Substa	ince List (40 CFR 302.4)		
(E)-1,2-Dichloroethene (C		Listed.	
Dimethyl carbonate (CAS US. OSHA Specifically Regu		Listed. 1910 1001-1050)	
Not listed.		1910.1001-1030)	
Superfund Amendments and Re	authorization Act of 1986 (9		
Hazard categories	Immediate Hazard - Yes		
	Delayed Hazard - No Fire Hazard - No Pressure Hazard - Yes Reactivity Hazard - No		
SARA 302 Extremely	No		
hazardous substance			
SARA 311/312 Hazardous chemical	No		
SARA 313 (TRI reporting)			
Chemical name		CAS number	% by wt.
(E)-1,2-Dichloroethene		156-60-5	40-70*
Other federal regulations			
Clean Air Act (CAA) Section Not regulated.	112 Hazardous Air Polluta	nts (HAPs) List	
Clean Air Act (CAA) Section	n 112(r) Accidental Release	Prevention (40 CFR	68.130)
Not regulated.			
US state regulations	See below		

US - California Hazardou	us Substances (Director's): Lis	stad substance
(E)-1,2-Dichloroethen	· · · ·	Listed.
(E)-1,2-Dichloroethen Dimethyl carbonate ((
(E)-1,2-Dichloroethen Dimethyl carbonate (US - Minnesota Haz Sub	ne (CAS 156-60-5) CAS 616-38-6)	Listed. Listed.
(E)-1,2-Dichloroethen Ethane, 1,1,1,2-tetraf		Listed. Listed.
(E)-1,2-Dichloroethen Dimethyl carbonate (ne (CAS 156-60-5) CAS 616-38-6)	a.
US - Texas Effects Screening Levels: Listed substanc (E)-1,2-Dichloroethene (CAS 156-60-5) Butane, 1,1,1,3,3-pentafluoro- (CAS 406-58-6) Dimethyl carbonate (CAS 616-38-6) Ethane, 1,1,1,2-tetrafluoro- (CAS 811-97-2) Pentane, 1,1,1,2,2,3,4,5,5,5-decafluoro- (CAS		Listed. Listed. Listed. Listed. Listed. Listed.
138495-42-8) US. Massachusetts RTK	- Substance List	
(E)-1,2-Dichloroethen Dimethyl carbonate (ne (CAS 156-60-5) CAS 616-38-6)	
	and Community Right-to-Know	W ACT
(E)-1,2-Dichloroethen US. Pennsylvania Worke	er and Community Right-to-Kn	ow Law
(E)-1,2-Dichloroethen		
Dimethyl carbonate (0	CAS 616-38-6)	
US. Rhode Island RTK		
(E)-1,2-Dichloroethen US. California Proposition 65		
California Safe Drinking W		t of 1986 (Proposition 65): This material is not known to contain tive toxins.
Inventory status		
Country(s) or region	Inventory name	On inventory (yes/no)
Canada	Domestic Substances List (DS	
Canada	Non-Domestic Substances List	
United States & Puerto Rico	Toxic Substances Control Act	
		inventory requirements administered by the governing country(s)
	16. Other I	nformation
LEGEND	HEALTH / 1	
Severe 4 Serious 3	FLAMMABILITY 1	
Moderate 2	PHYSICAL HAZARD 0	
Slight 1 Minimal 0	PERSONAL X	

Disclaimer

Issue date Version # Effective date Prepared by

The information in the sheet was written based on the best knowledge and experience currently available. Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document. 16-August-2022
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