SAFETY DATA SHEET



	1. Product and Company Ident	ification SDS REC'D by Trane April 13, 2018	
Product identifier	Nu-Blast, Aerosol (4290-75)	CHM00392	
Other means of identification	Not available		
Recommended use	Coil Cleaner/Degreaser		
Recommended restrictions	None known.		
Manufacturer information	Nu-Calgon 2008 Altom Court St. Louis, MO 63146 US Phone: 314-469-7000 / 800-554-5499 Emergency Phone: 1-800-424-9300 (CHEMT)	REC)	
Supplier	See above.		
	2. Hazards Identification	n	
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	
	Germ cell mutagenicity	Category 2	
	Carcinogenicity	Category 1	
	Specific target organ toxicity, single exposure	Category 3 narcotic effects	
Environmental hazards	Not classified.		
WHMIS 2015 defined hazards	Not classified		
Label elements			
Signal word Hazard statement	Danger Contains gas under pressure; may explode if	heated. Causes skin irritation. May cause an allergic	
		ay cause drowsiness or dizziness. Suspected of	
Precautionary statement			
Prevention	protection. Avoid breathing mist or vapor. Con	ive gloves/protective clothing/eye protection/face taminated work clothing should not be allowed out ell-ventilated area. Obtain special instructions before have been read and understood.	
Response	IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Specific treatment (see information on this label). 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. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. IF exposed or concerned: Get medical advice/attention.		
Storage	Protect from sunlight. Store in a well-ventilated up.	d place. Keep container tightly closed. Store locked	
Disposal	Dispose of contents/container in accordance	with local/regional/national/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.		

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3. Composition/Information on Ingredients

Common name and synonyms	CAS number	%	
	79-01-6	95 - 98	
	8008-57-9	7-10	
	124-38-9	2 - 5	
		withheld as a trade	
4. First Aid Measures			
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.			
IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Specific treatment (see information on this label).			
Rinse mouth. Do not induce vomiting. Get me anything by mouth if victim is unconscious, or	dical attention if symptoms of is convulsing. Obtain medic	occur. Never give al attention.	
Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause an allergic skin reaction. Dermatitis. Rash. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. May cause redness and pain.			
Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.			
protect themselves. Immediate medical attent doctor in attendance. Wash contaminated close	ion is required. Show this sa thing before reuse. Avoid co	fety data sheet to the ntact with eyes and skir	
5. Fire Fighting Measure	es		
Treat for surrounding material.			
Do not use water jet as an extinguisher, as this will spread the fire.			
Contents under pressure. Firefighters should wear a self-contained breathing apparatus.			
Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Firefighters should wear full protective clothing including self contained breathing apparatus.			
In case of fire: Stop leak if safe to do so. Do not move cargo or vehicle if cargo has been expose to heat. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also consider initial evacuation for 800 meters (1/2 mile) in all directions. ALWAYS sta away from tanks engulfed in flame. Move containers from fire area if you can do so without risk. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.			
Use standard firefighting procedures and cons	sider the hazards of other in	volved materials.	
May include and are not limited to: Oxides of o	carbon.		
6 Accidental Pelease Meas	SURAS		
	US GHS: The exact percentage (concentration secret in accordance with paragraph (i) of §19 4. First Aid Measures IF INHALED: Remove person to fresh air and CENTER or doctor/physician if you feel unwer IF ON SKIN: Wash with plenty of water. If skir advice/attention. Take off contaminated clothin information on this label). IF IN EYES: Rinse cautiously with water for seand easy to do. Continue rinsing. If eye irritating Rinse mouth. Do not induce vormiting. Get me anything by mouth if victim is unconscious, or Symptoms may include stinging, tearing, redric cause an allergic skin reaction. Dermatitis. Reheadache, fatigue, dizziness and nausea. Ma Provide general supportive measures and treated symptoms may be delayed. Ensure that medical personnel are aware of the protect themselves. Immediate medical attent doctor in attendance. Wash contaminated clow Wear rubber gloves and chemical splash gog. gloves and safety glasses with side shields. 5. Fire Fighting Measure Treat for surrounding material. Do not use water jet as an extinguisher, as the Contents under pressure. Firefighters should Firefighters must use standard protective equivalence shield, gloves, rubber boots, and in enclor protective clothing including self contained break in the transe of fire: Stop leak if safe to do so. Do no to has if thank, rail car or tank truck is involved directions; also consider initial evacuation for away from tanks engulfed in flame. Move con For massive fire in cargo area, use unmanned withdraw and let fire burn out. Use standard firefighting procedures and conse May include and are not limited to: Oxides of the submatice of th	79-01-6 8008-57-9 124-38-9 US GHS: The exact percentage (concentration) of composition has been of secret in accordance with paragraph (i) of §1910.1200. 4. First Aid Measures IF INHALED: Remove person to fresh air and keep comfortable for breath CENTER or doctor/physician if you feel unwell. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Ge advice/attention. Take off contaminated clothing and wash it before reuse. information on this label). IF IN EYES: Rinse cautiously with water for several minutes. Remove cor and easy to do. Continue rinsing. If eye irritation persists: Get medical adv Rinse mouth. Do not induce vomiting. Get medical attention if symptoms of anything by mouth if victim is unconscious, or is convulsing. Obtain medic Symptoms may include stinging, tearing, redness, swelling, and blurred vi cause an allergic skin reaction. Dermatitis. Rash. Vapors have a narcotic headache, fatigue, dizziness and nausea. May cause redness and pain. Provide general supportive measures and treat symptomatically. Keep vic Symptoms may be delayed. Ensure that medical personnel are aware of the material(s) involved, and i protect themselves. Immediate medical attention is required. Show this sa doctor in attendance. Wash contaminated clothing before reuse. Avoid co Wear rubber gloves and chemical splash goggles. Keep out of reach of ch gloves and safety glasses with side shields. 5. Fire Fighting Measures Treat for surrounding material. Do not use water jet as an extinguisher, as this will spread the fire. Contents under pressure. Firefighters should wear a self-contained breath Firefighters must use standard protective equipment including flame retard face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Firefigh protective clothing including self contained breathing apparatus. In case of fire: Stop leak if safe to do so. Do not move cargo or vehicle if to to heat. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 directions; also consider initial evacu	

protective equipment and emergency procedures Keep unnecessary personnel away. Keep out of low areas. 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. Avoid inhalation of vapors or mists. Ensure adequate ventilation. 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	5854 This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. Stop the flow of material, if this is without risk. Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. 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. 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	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid contact during pregnancy/while nursing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Wear personal protective equipment. When using, do not eat, drink or smoke. Wash thoroughly after handling. Keep container tightly closed. Avoid breathing vapors or mists of this product.
Conditions for safe storage, including any incompatibilities	Store locked up. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children.

8. Exposure Controls/Personal Protection

Occupational exposure limits

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Туре	Value	
Carbon dioxide (CAS 124-38-9)	STEL	54000 mg/m3	
		30000 ppm	
	TWA	9000 mg/m3	
		5000 ppm	
Ethene, trichloro- (CAS 79-01-6)	STEL	537 mg/m3	
)		100 ppm	
	TWA	269 mg/m3	
		50 ppm	

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Туре	Value	
Carbon dioxide (CAS 124-38-9)	STEL	15000 ppm	
	TWA	5000 ppm	
Ethene, trichloro- (CAS 79-01-6)	STEL	25 ppm	
	TWA	10 ppm	
Canada. Manitoba OELs (Reg. 2	17/2006, The Workplace Safety	And Health Act)	
Components	Туре	Value	
Carbon dioxide (CAS 124-38-9)	STEL	30000 ppm	
	TWA	5000 ppm	
Ethene, trichloro- (CAS 79-01-6)	STEL	25 ppm	
	TWA	10 ppm	
Canada. Ontario OELs. (Control	of Exposure to Biological or Cl	nemical Agents)	
Components	Туре	Value	
Carbon dioxide (CAS 124-38-9)	STEL	30000 ppm	
	TWA	5000 ppm	

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Components	Туре				
Ethene, trichloro- (CAS 79-01-6)	STE			25 ppm	
	TWA	A		10 ppm	
Canada. Quebec OELs. (Min Components	istry of Labor - Reg Type		-	of the Work Environment Value)
Carbon dioxide (CAS 124-38-9)	STE	L	Ę	54000 mg/m3	
,			:	30000 ppm	
	TWA	N		9000 mg/m3	
Ethene, trichloro- (CAS	STE	L		5000 ppm 1070 mg/m3	
79-01-6)			,	200 ppm	
	TWA			269 mg/m3	
	1 1 1 7	N Contraction of the second se		50 ppm	
US. OSHA Table Z-1 Limits f Components	or Air Contaminant			Value	
Carbon dioxide (CAS	PEL	-		9000 mg/m3	
124-38-9)				5000 ppm	
US. OSHA Table Z-2 (29 CFF	8 1910 1000)		,	bood ppin	
Components	Туре	e	,	/alue	
Ethene, trichloro- (CAS 79-01-6)	Ceili	ng	2	200 ppm	
	TWA	A Contraction of the second se		100 ppm	
US. ACGIH Threshold Limit	Values				
Components	Туре	9		/alue	
Carbon dioxide (CAS 124-38-9)	STE	L	ć	30000 ppm	
	TWA	A Contraction of the second seco	Ę	5000 ppm	
Ethene, trichloro- (CAS 79-01-6)	STE	L	2	25 ppm	
	TWA	N .		10 ppm	
US. NIOSH: Pocket Guide to Components	Chemical Hazards Type	9	,	Value	
Carbon dioxide (CAS	STE			54000 mg/m3	
124-38-9)				20000 nom	
	TWA			30000 ppm 9000 mg/m3	
	1 VV	N N		5000 mg/ms 5000 ppm	
Ethene, trichloro- (CAS 79-01-6)	TWA	A		25 ppm	
ogical limit values					
ACGIH Biological Exposure	Indices				
Components V	alue	Determinant	Specimen	Sampling Time	
Ethene, trichloro- (CAS 1 79-01-6)	5 mg/L	Trichloroacetic acid	Urine	*	
0	.5 mg/L	Trichloroethano I, without hydrolysis	Blood	*	
* - For sampling details, pleas	e see the source doc	ument.			
ropriate engineering rols		to conditions. If app	olicable, use p	r hour) should be used. Ve rocess enclosures, local e	xhaust ventilat

Individual protection measures, such as personal protective equipment

Eye/face protection Wear chemical goggles.



Skin protection Hand protection Other Respiratory protection Thermal hazards General hygiene considerations

Rubber gloves. Confirm with a reputable supplier first. Wear appropriate chemical resistant clothing. As required by employer code. Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Not applicable. When using, do not eat, drink or 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. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and Chemical Properties

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Heat of combustion 6.95 kJ/g	Flame projection	< 18 in
	Flammability (flash back)	No
10. Stability and Reactivity	Heat of combustion	6.95 kJ/g
		10. Stability and Reactivity

10. Stability and Reactivity

Reactivity	This product may react with oxidizing agents.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Strong oxidizing agents. Soft metals.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon. Phosgene.

11. Toxicological Information

	i ii i exiselegisai iii ei	mation	
Routes of exposure	Eye, Skin contact, Inhalation, Ingestion.		
Information on likely routes of ex	kposure		
Ingestion	Expected to be a low ingestion hazard.		
Inhalation	Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Prolonged inhalation may be harmful.		
Skin contact	Causes skin irritation. May cause an allergic skin reaction.		
Eye contact	Causes serious eye irritation.		
Symptoms related to the physical, chemical and toxicological characteristics		redness, swelling, and blurred vision. May cause an . May cause redness and pain. Dermatitis. Symptoms of .s, tiredness, nausea and vomiting.	
Information on toxicological effe	cts		
Acute toxicity	Narcotic effects. May cause an allergic sk	in reaction.	
Components	Species	Test Results	
Carbon dioxide (CAS 124-38-9) Acute Inhalation LC50	Not available		
<i>Oral</i> LD50	Not available		
Ethene, trichloro- (CAS 79-01-6) Acute Dermal			
LD50	Rabbit	20000 mg/kg	
Inhalation			
LC50	Mouse	8450 ppm, 4 Hours	
	Rat	8000 mg/l/4h	
LD50	Mouse	49000 ppm, 30 Minutes	
		5500 ppm, 10 Hours	
Oral			
LD50	Dog	5680 mg/kg	
	Mouse	2402 mg/kg	
	Rat	4290 mg/kg	
Oils, orange, sweet (CAS 8008-57-	-9)		
Dermal LD50	Rabbit	5000 mg/kg	
Inhalation LC50	Rat	13 mg/l/4h	
<i>Oral</i> LD50	Rat	5000 mg/kg	
Skin corrosion/irritation	Causes skin irritation.		
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 value	Not available.		
Conjunctival oedema value	Not available.		
Recover days	Not available.		



Respiratory or skin sensitization

ACGIH sensitizationBicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl- (CAS 13466-78-9)Dermal sensitizationCanada - British Columbia OELs: Respiratory or skin sensitiserBicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl- (CAS 13466-78-9)Capable of causing respiratory, dermal or conjunctival sensitization.Canada - Manitoba OELs Hazard: Dermal sensitizationDermal sensitizationBicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl- (CAS 13466-78-9)Dermal sensitization.Canada - Saskatchewan OELs Hazard Data: Sensitiser Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl- (CAS 13466-78-9)Dermal sensitization
13466-78-9) Canada - British Columbia OELs: Respiratory or skin sensitiser Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl- (CAS 13466-78-9) Capable of causing respiratory, dermal or conjunctival sensitization. Canada - Manitoba OELs Hazard: Dermal sensitization Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl- (CAS 13466-78-9) Dermal sensitization Canada - Saskatchewan OELs Hazard Data: Sensitiser Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl- (CAS 13466-78-9) Dermal sensitization
Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl- (CAS 13466-78-9) Capable of causing respiratory, dermal or conjunctival sensitization Canada - Manitoba OELs Hazard: Dermal sensitization Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl- (CAS 13466-78-9) Dermal sensitization Canada - Saskatchewan OELs Hazard Data: Sensitiser Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl- (CAS 13466-78-9) Dermal sensitization
13466-78-9) sensitization. Canada - Manitoba OELs Hazard: Dermal sensitization Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl- (CAS 13466-78-9) Dermal sensitization Canada - Saskatchewan OELs Hazard Data: Sensitiser Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl- (CAS Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl- (CAS Sensitizer. 13466-78-9) Sensitizer.
Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl- (CAS Dermal sensitization 13466-78-9) Canada - Saskatchewan OELs Hazard Data: Sensitiser Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl- (CAS Sensitizer. 13466-78-9)
13466-78-9) Canada - Saskatchewan OELs Hazard Data: Sensitiser Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl- (CAS Sensitizer. 13466-78-9)
Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl- (CAS Sensitizer. 13466-78-9)
13466-78-9)
Respiratory sensitization Not available.
Skin sensitization May cause an allergic skin reaction.
Mutagenicity Suspected of causing genetic defects.
Carcinogenicity May cause cancer.
ACGIH Carcinogens
Ethene, trichloro- (CAS 79-01-6) A2 Suspected human carcinogen.
Canada - Manitoba OELs: carcinogenicity
TRICHLOROETHYLENE (CAS 79-01-6)Suspected human carcinogen.TURPENTINE AND SELECTED MONOTERPENES (CAS 13466-78-9)Not classifiable as a human carcinogen.
IARC Monographs. Overall Evaluation of Carcinogenicity
Ethene, trichloro- (CAS 79-01-6) Volume 63, Volume 106 - 1 Carcinogenic to humans. US - California Proposition 65 - CRT: Listed date/Carcinogenic substance
Ethene, trichloro- (CAS 79-01-6) Myrcene (CAS 123-35-3)
US NTP Report on Carcinogens: Anticipated carcinogen
Ethene, trichloro- (CAS 79-01-6) Reasonably Anticipated to be a Human Carcinogen. US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.
Reproductive toxicity This product is not expected to cause reproductive or developmental effects.
Teratogenicity Non-hazardous by WHMIS/OSHA criteria.
Specific target organ toxicity - Narcotic effects. single exposure
Specific target organ toxicity - Not classified. repeated exposure
Aspiration hazard Not available.
Chronic effectsProlonged inhalation may be harmful. Prolonged exposure may cause chronic effects. Chronic exposure to trichloroethylene may cause liver, kidney, central nervous system and peripheral nervous system effects.
12. Ecological Information

Ecotoxicity	See below		
Ecotoxicological data			
Components		Species	Test Results
Ethene, trichloro- (CAS 79-01-6)			
Crustacea	EC50	Daphnia	2.2 mg/L, 48 Hours
Aquatic			
Fish	LC50	Flagfish (Jordanella floridae)	3.1 mg/L, 96 hours
Persistence and degradability	No data is ava	ailable on the degradability of this product.	
Bioaccumulative potential	No data availa	able.	
Mobility in soil	No data availa	able.	
Mobility in general	Not available.		
Other adverse effects		erse environmental effects (e.g. ozone dep ocrine disruption, global warming potential	

	13. Disposal Considerations	
Disposal instructions	Consult authorities before disposal. This material and its container must be disposed of as hazardous waste. 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.	
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	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	
Transport of Dangerous Goods (TDG) Proof of Classification	In accordance with Part 2.2.1 (SOR/2014-152) of the Transportation of Dangerous Goods Regulations, we certify that the classification of this product is correct as of the SDS date of issue.	
U.S. Department of Transportation	on (DOT)	
Basic shipping requirement	S:	
UN number	UN1950	
Proper shipping name Hazard class	Aerosols, poison, Packing Group III (each not exceeding 1 L capacity) Limited Quantity - US	
Transportation of Dangerous Go	oods (TDG - Canada)	
Basic shipping requirement	S:	
UN number	UN1950	
Broner chinning nome	AEPOSOLS non flammable, containing substances in Class 6.1, posking group III	

Proper shipping name AEROSOLS, non-flammable, containing substances in Class 6.1, packing group III Hazard class Limited Quantity - Canada **Special provisions** 80 IATA/ICAO (Air) **Basic shipping requirements: UN** number UN1950 Proper shipping name Aerosols, non-flammable, containing substances in Class 6.1, packing group III Hazard class Limited Quantity - IATA IMDG (Marine Transport) Basic shipping requirements: UN1950 **UN number** Proper shipping name AEROSOLS Limited Quantity - US Hazard class DOT; IMDG; TDG ΙΑΤΑ

Canadian federal regulations	This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (SOR/2015-17) and the SDS contains all the information required by the HPR.			
Canada CEPA Schedule I: L	isted substance			
Carbon dioxide (CAS 124 Ethene, trichloro- (CAS 7 Export Control List (CEPA 1	9-01-6)	Listed. Listed.		
Not listed. Greenhouse Gases				
Carbon dioxide (CAS 124	1-38-9)			
Precursor Control Regulation	ons			
Not regulated.				
WHMIS 2015 Exemptions	Not applicable			
US federal regulations	This product is a "Hazardou Standard, 29 CFR 1910.120		ned by the OSHA Hazard Communication	
TSCA Section 12(b) Export	-			
Ethene, trichloro- (CAS 79-01-6) CERCLA Hazardous Substance List (40 CFR 302.4)		0.1 % One-Time Export Notification only.		
Ethene, trichloro- (CAS 7 US. OSHA Specifically Regu	,	Listed. 910.1001-1050)		
Not listed.				
Superfund Amendments and Re Hazard categories		ARA)		
nazaru categories	Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - Yes Reactivity Hazard - No			
SARA 302 Extremely hazardous substance	No			
SARA 311/312 Hazardous chemical	No			
SARA 313 (TRI reporting) Chemical name		CAS number	% by wt.	
Ethene, trichloro-		79-01-6	95 - 98	
Other federal regulations				
Clean Air Act (CAA) Sectior		nts (HAPs) List		
Ethene, trichloro- (CAS 7 Clean Air Act (CAA) Sectior		Prevention (40 CFR	8 68.130)	
Not regulated.				
US state regulations				
US - California Hazardous S	· · · · ·			
Carbon dioxide (CAS 124 Ethene, trichloro- (CAS 7 US - Illinois Chemical Safet	9-01-6)	Listed. Listed.		
Ethene, trichloro- (CAS 7 US - Louisiana Spill Reporti	9-01-6)			
Ethene, trichloro- (CAS 7 US - Michigan Critical Mater	9-01-6)	Listed. mber		
Ethene, trichloro- (CAS 7 US - Minnesota Haz Subs: L	9-01-6)	TRICHLOROET	THYLENE	
Carbon dioxide (CAS 124-38-9) Ethene, trichloro- (CAS 79-01-6)		Listed. Listed.		
US - New Jersey RTK - Sub Carbon dioxide (CAS 124	1-38-9)			
Ethene, trichloro- (CAS 7 US - North Carolina Toxic A	ir Pollutants: Listed substar	ice		
Ethene, trichloro- (CAS 7 US - Texas Effects Screenin	g Levels Hazard Data: Simp	le asphyxiant		
Carbon dioxide (CAS 124	1-38-9)			

5854



Yes

US - Texas Effects Screen	ing Levels: Listed substar	nce	0001
Bicyclo[4.1.0]hept-3-en 13466-78-9)	e, 3,7,7-trimethyl- (CAS	Listed.	
Carbon dioxide (CAS 1	24-38-9)	Listed.	
Ethene, trichloro- (CAS		Listed.	
Oils, orange, sweet (CA	,	Listed.	
US. Massachusetts RTK -	Substance List		
Carbon dioxide (CAS 1	,		
Ethene, trichloro- (CAS	/		
•	nd Community Right-to-Kr	now Act	
Ethene, trichloro- (CAS	/	<i>·</i> · ·	
•	and Community Right-to-I	Know Law	
Carbon dioxide (CAS 1			
Ethene, trichloro- (CAS	5 79-01-6)		
US. Rhode Island RTK			
Ethene, trichloro- (CAS	5 79-01-6)		
US. California Proposition	65		
WARNING: This produ reproductive harm.	ct contains a chemical know	n to the State of California to cause can	cer and birth defects or other
US - California Propos	sition 65 - CRT: Listed date	e/Carcinogenic substance	
Ethene, trichloro- (CAS 79-01-6)	Listed: April 1, 1988	
Myrcene (CAS 123-35-3)		Listed: March 27, 2015	
US - California Propos	sition 65 - CRT: Listed date	e/Developmental toxin	
Ethene, trichloro- (CAS 79-01-6)	Listed: Jan 31, 2014	
US - California Propos	sition 65 - CRT: Listed date	e/Male reproductive toxin	
Ethene, trichloro- (CAS 79-01-6)	Listed: Jan 31, 2014	
Inventory status			
Country(s) or region	Inventory name		On inventory (yes/no)*
Canada	Domestic Substances L	ist (DSL)	Yes
Canada	Non-Domestic Substand	ces List (NDSL)	No

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)

LEGEND	HEALTH * 2
Severe4Serious3Moderate2Slight1Minimal0	FLAMMABILITY 1 PHYSICAL HAZARD 0 PERSONAL X
Disclaimer	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.
Issue date	29-September-2016
Version #	01
Effective date	29-September-2016
Prepared by	Nu-Calgon Technical Service Phone: (314) 469-7000
Other information	For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.

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16. Other Information