according to the OSHA Hazard Communication Standard



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Versio 13.0	on	Revision Date: 05/27/2025		DS Number: 27136-00050	Date of last issue: 05/23/2024 Date of first issue: 02/27/2017		
SECT	FION 1.	IDENTIFICATION					
F	Product	name	:	Vertrel™ SMT specialty fluid			
F	Product	code	:	D10260110			
5	SDS-Id	entcode	:	13000000633			
N	Manufa	cturer or supplier's	deta	ails			
C	Company name of supplier		:	The Chemours Company FC, LLC			
Þ	Address		:	1007 Market Street Wilmington, DE 19801 United States of America (USA)			
Г	Telephone		:	1-844-773-CHEM (outside the U.S. 1-302-773-1000)			
Emergency telephone		:	Medical emergency: 1-866-595-1473 (outside the U.S. 1-302 773-2000) ; Transport emergency: +1-800-424-9300 (outside the U.S. +1-703-527-3887)				
F	Recommended use of the		hen	nical and restriction	ons on use		
F	Recom	mended use	:	Cleaning agent			
F	Restrict	ions on use	:	For professional a	and industrial installation and use only.		

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Eye irritation	:	Category 2B
Specific target organ toxicity - single exposure	:	Category 2 (optic nerve, Central nervous system)
Specific target organ toxicity - single exposure	:	Category 3

Other hazards

Vapors are heavier than air and can cause suffocation by reducing oxygen available for breathing. Misuse or intentional inhalation abuse may cause death without warning symptoms, due to cardiac effects.

Rapid evaporation of the product may cause frostbite. In use, may form flammable/explosive vapor-air mixture.

GHS label elements

according to the OSHA Hazard Communication Standard



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Haza	rd pictograms		<u>1</u>
Signa	al Word	: Warning	
Haza	rd Statements		ye irritation. e drowsiness or dizziness. e damage to organs (optic nerve, Central nerv-
Preca	autionary Statements	P264 Wash skiı P270 Do not ea	eathe mist or vapors. n thoroughly after handling. t, drink or smoke when using this product. outdoors or in a well-ventilated area.
		and keep comfo unwell. P305 + P351 + for several minu to do. Continue P308 + P311 IF	P312 IF INHALED: Remove person to fresh air ortable for breathing. Call a doctor if you feel P338 IF IN EYES: Rinse cautiously with water ites. Remove contact lenses, if present and easy rinsing. • exposed or concerned: Call a doctor. eye irritation persists: Get medical attention.
		Storage: P405 Store lock	ted up.
		Disposal: P501 Dispose c disposal plant.	of contents and container to an approved waste

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS No./Unique ID	Concentration (% w/w)	Trade secret
1,1,1,2,2,3,4,5,5,5- Decafluoropentane	138495-42-8*	>= 45 - <= 70	TSC
Trans-Dichloroethylene	156-60-5*	>= 30 - <= 60	TSC
Methanol	67-56-1*	>= 1 - <= 5	TSC

* Indicates that the identifier is a CAS No.

TSC- the actual concentration or concentration range is withheld as a trade secret

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SECTION	4. FIRST AID MEASU	RES	
General advice		vice immedia	f accident or if you feel unwell, seek medical ad- tely. oms persist or in all cases of doubt seek medical
lf inha	aled		nove to fresh air. attention.
In cas	e of skin contact	Remove cont Get medical a Wash clothing	ntact, immediately flush skin with plenty of water. aminated clothing and shoes. attention. g before reuse. lean shoes before reuse.
In cas	e of eye contact	for at least 15	remove contact lens, if worn.
lf swa	llowed	Get medical a Rinse mouth	DO NOT induce vomiting. attention. thoroughly with water. nything by mouth to an unconscious person.
	important symptoms ffects, both acute and ed	Skin contact r Dermatitis Discomfort Pain Redness Rash Itching Swelling of tis Eye damage Eye contact n Irritation Pain tearing Swelling of tis Redness Impairment of Discomfort Inhalation ma Eye damage Effects of bre Tiredness Drowsiness central nervoor Convulsions	nay provoke the following symptoms ssue f vision ay provoke the following symptoms: athing high concentrations of vapor may include: us system effects cts from repeated inhalation may include us system effects y provoke the following symptoms:

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			Causes eye irritat	siness or dizziness.	
Protection of first-aiders		:	First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).		
Notes	s to physician	:	techolamine drug	ble disturbances of cardiac rhythm, ca- s, such as epinephrine, that may be used in rgency life support should be used with spe-	

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	None known.
Specific hazards during fire fighting	:	Vapors may form explosive mixtures with air. Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- ucts	:	Hydrogen fluoride carbonyl fluoride Carbon oxides Chlorine compounds
Specific extinguishing meth- ods	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.
Special protective equipment for fire-fighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- :	Use personal protective equipment.	
tive equipment and emer-	Follow safe handling advice (see section 7) and personal pro	-

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geno	y procedures		tective equipment	recommendations (see section 8).			
Environmental precautions			Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g., by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.				
	Methods and materials for containment and cleaning up		 Soak up with inert absorbent material. For large spills, provide diking or other appropriate comment to keep material from spreading. If diked material pumped, store recovered material in appropriate contain Clean up remaining materials from spill with suitable at bent. Local or national regulations may apply to releases and sal of this material, as well as those materials and item ployed in the cleanup of releases. You will need to deter which regulations are applicable. Sections 13 and 15 of this SDS provide information regulation regulational requirements. 				

SECTION 7. HANDLING AND STORAGE

Technical measures :	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation :	If sufficient ventilation is unavailable, use with local exhaust ventilation. If advised by assessment of the local exposure potential, use only in an area equipped with explosion-proof exhaust ventila- tion.
Advice on safe handling :	Do not get on skin or clothing. Do not breathe mist or vapors. Do not swallow. Do not get in eyes. Wash skin thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure as- sessment Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Do not eat, drink or smoke when using this product. Take care to prevent spills, waste and minimize release to the environment.
Conditions for safe storage :	Do not expose drums to direct heat or temperature above 46°C (115°F) to avoid pressurizing and possibly distorting the drums. Material should not be dispensed by pouring from pail/drum

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				shipping containers containing 5 gallons or more. The us drum pump is recommended for dispensing from pail/dru shipping containers with 5 gallons or more, except for sn containers where adequate ventilation can be used to m the exposure. Keep in properly labeled containers. Store locked up. Keep in a cool, well-ventilated place. Store in accordance with the particular national regulatio			
	Materia	als to avoid	:	No special restric	tions on storage with other products.		
	Recom peratur	mended storage tem- e	:	< 115 °F / < 46 °C			
	Furthei age sta	information on stor-	:	The product has a	an indefinite shelf life when stored properly.		

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value type	Control parame-	Basis
		(Form of	ters / Permissible	
		exposure)	concentration	
1,1,1,2,2,3,4,5,5,5-	138495-42-8	TWA	225 ppm	WEEL
Decafluoropentane			2,320 mg/m ³	
		STEL	700 ppm	WEEL
			7,217 mg/m ³	
Trans-Dichloroethylene	156-60-5	TWA	200 ppm	ACGIH
Methanol	67-56-1	TWA	200 ppm	ACGIH
		STEL	250 ppm	ACGIH
		ST	250 ppm	NIOSH REL
			325 mg/m ³	
		TWA	200 ppm	NIOSH REL
			260 mg/m ³	
		TWA	200 ppm	OSHA Z-1
			260 mg/m ³	

Ingredients with workplace control parameters

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sam- pling time	Permissible concentra- tion	Basis
Methanol	67-56-1	Methanol	Urine	End of shift (As soon as possible after exposure ceases)	15 mg/l	ACGIH BEI

Engineering measures : Minimize workplace exposure concentrations.

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		ventilation. If advised b	ventilation is unavailable, use with local exhaust by assessment of the local exposure potential, use area equipped with explosion-proof exhaust venti-
Perso	onal protective equip	ment	
Resp	iratory protection	maintain va concentrati unknown, a Follow OSI use NIOSH by air purif dous chem respirator i exposure lo	d local exhaust ventilation is recommended to apor exposures below recommended limits. Where ons are above recommended limits or are appropriate respiratory protection should be worn. HA respirator regulations (29 CFR 1910.134) and I/MSHA approved respirators. Protection provided ying respirators against exposure to any hazar- ical is limited. Use a positive pressure air supplied there is any potential for uncontrolled release, evels are unknown, or any other circumstance urifying respirators may not provide adequate
Ma Gl	protection aterial ove thickness earing time	: Viton® : 0.7 mm : 120 min	
Re	emarks	on the con- application micals of th manufactu workday. E	oves to protect hands against chemicals depending centration specific to place of work. For special s, we recommend clarifying the resistance to che- ne aforementioned protective gloves with the glove rer. Wash hands before breaks and at the end of reakthrough time is not determined for the pro- ge gloves often!
Eye p	protection	: Wear the fe Safety gog	bllowing personal protective equipment: gles
Skin a	and body protection	If assessm	blowing personal protective equipment: ent demonstrates that there is a risk of explosive es or flash fires, use flame retardant antistatic clothing.
Hygie	ene measures	eye flushin king place. When usin	to chemical is likely during typical use, provide g systems and safety showers close to the wor- g do not eat, drink or smoke. aminated clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

: liquid

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Col	or	:	colorless	
Odd	Dr	:	ether-like	
Odd	or Threshold	:	No data available	9
рH		:	No data available	9
Mel	ting point/freezing point	:	< -58.0 °F / < -50	0° °C
Initi rang	al boiling point and boiling ge	:	99 °F / 37 °C (1,0	013 hPa)
Flas	sh point	:	Method: ASTM D does not flash	9 56
Eva	poration rate	:	No data available	9
Flar	nmability (solid, gas)	:	Not applicable	
Flar	nmability (liquids)	:	No data available)
	per explosion limit / Upper amability limit	:	Upper flammabili 15 %(V) Method: ASTM E	
	ver explosion limit / Lower nmability limit	:	Lower flammabili 7.0 %(V) Method: ASTM E	
Vap	or pressure	:	220 hPa (32 °F /	0 °C)
			647.0 hPa (77 °F	7 / 25 °C)
			1,522 hPa (122 °	F / 50 °C)
Rela	ative vapor density	:	4.4	
Der	nsity	:	1.37 g/cm³ (77 °F	⁻ / 25 °C)
			1.42 g/cm³ (32 °F	= / 0 °C)
			1.31 g/cm ³ (122 °	°F / 50 °C)
	ubility(ies) Water solubility	:	3.4 g/l(77 °F / 2	5 °C)
	tition coefficient: n- anol/water	:	Not applicable	

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_	gnition temperature	:	No data available	-
Visco	mposition temperature sity scosity, dynamic	-	No data availabl	-
	scosity, kinematic	: No data available		
·	sive properties	:		flammable/explosive vapor-air mixture.
Partic	zing properties ele characteristics ele size	:	Not applicable	r mixture is not classified as oxidizing.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Not classified as a reactivity hazard.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reac- tions	:	Vapors may form flammable mixture with air In use may form flammable/explosive vapor-air mixture.
Conditions to avoid	:	None known.
Incompatible materials	:	None.
Hazardous decomposition products	:	No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Inhalation Skin contact Ingestion Eye contact

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity	:	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: 75.08 mg/l Exposure time: 4 h Test atmosphere: vapor

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sion 0	Revision Date: 05/27/2025	SDS Number: 1327136-00050	Date of last issue: 05/23/2024 Date of first issue: 02/27/2017
		Method: Calc	ulation method
Acute	e dermal toxicity		estimate: > 5,000 mg/kg ulation method
<u>Com</u>	ponents:		
1,1,1,	2,2,3,4,5,5,5-Decaflu	oropentane:	
Acute	e oral toxicity	: LD50 (Rat): > Method: OEC	5,000 mg/kg D Test Guideline 401
Acute	inhalation toxicity	: LC50 (Rat): 1 Exposure tim Test atmosph Method: OEC	e: 4 h
		Test atmosph	adverse effect concentration (Dog): 5000 ppm here: gas liac sensitization study
		ppm Test atmosph	rved adverse effect concentration (Dog): > 5000 here: gas liac sensitization study
		Test atmosph	itisation threshold limit (Dog): > 51,544 mg/m³ here: gas liac sensitization study
Acute	e dermal toxicity): > 5,000 mg/kg CD Test Guideline 402
Trans	s-Dichloroethylene:		
Acute	e oral toxicity	: LD50 (Rat): 7 Method: OEC	′,902 mg/kg D Test Guideline 420
Acute	inhalation toxicity	: LC50 (Rat): 9 Exposure tim Test atmosph Method: OEC	e: 4 h
		Lowest obser ppm Test atmosph	rved adverse effect concentration (Dog): 25000 nere: gas
		Cardiac sens Test atmosph	itisation threshold limit (Dog): 991,309 mg/m ³ here: gas
Acute	e dermal toxicity): > 5,000 mg/kg D Test Guideline 402

Methanol:

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Acute	e oral toxicity	: Acute toxicity e Method: Exper	estimate (Humans): 300 mg/kg t judgment
Acute	inhalation toxicity	Exposure time Test atmosphe Method: Exper	ere: vapor
Acute	e dermal toxicity	Method: Exper	estimate: 300 mg/kg t judgment ed on national or regional regulation.
Skin	corrosion/irritation		

Not classified based on available information.

Components:

1,1,1,2,2,3,4,5,5,5-Decafluoropentane:

Species Method Result	:	Rabbit
Method	:	OECD Test Guideline 404
Result	:	No skin irritation

Trans-Dichloroethylene:

Species Method Result	:	Rabbit
Method	:	OECD Test Guideline 404
Result	:	Mild skin irritation

Methanol:

Species	:	Rabbit
Result	:	No skin irritation

Serious eye damage/eye irritation

Causes eye irritation.

Components:

1,1,1,2,2,3,4,5,5,5-Decafluoropentane:

Species Result Method	:	Rabbit
Result	:	No eye irritation
Method	:	OECD Test Guideline 405

Trans-Dichloroethylene:

Species : Result : Method :	Rabbit
Result :	Irritation to eyes, reversing within 7 days
Method :	OECD Test Guideline 405

Methanol:

Species Result	: Rabbit
Result	: No eye irritation

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Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Components:

1,1,1,2,2,3,4,5,5,5-Decafluoropentane:

Test Type	: Buehler Test
Routes of exposure	: Skin contact
Species	: Guinea pig
Method	: OECD Test Guideline 406
Test Type Routes of exposure Species Method Result	: negative

Methanol:

Test Type	:	Maximization Test
Routes of exposure	:	Skin contact
Species	:	Guinea pig
Test Type Routes of exposure Species Result	:	negative

Germ cell mutagenicity

Not classified based on available information.

Components:

1,1,1,2,2,3,4,5,5,5-Decafluoropentane:

Genotoxicity in vitro :		Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471 Result: negative
		Test Type: In vitro mammalian cell gene mutation test Method: OECD Test Guideline 476 Result: negative
Genotoxicity in vivo	:	Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Rat Application Route: inhalation (vapor) Method: OECD Test Guideline 474 Result: negative
Germ cell mutagenicity - Assessment	:	Weight of evidence does not support classification as a germ cell mutagen.
Trans-Dichloroethylene:		
Genotoxicity in vitro	:	Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471 Result: negative

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	ision Date: 7/2025	SDS Number: 1327136-00050	Date of last issue: 05/23/2024 Date of first issue: 02/27/2017
			vitro mammalian cell gene mutation test D Test Guideline 476 ive
			hromosome aberration test in vitro CD Test Guideline 473 ive
Genotoxicity	in vivo	cytogenetic a Species: Mou Application R	use oute: Ingestion CD Test Guideline 474
Germ cell m Assessment		: Weight of evi cell mutagen	dence does not support classification as a germ
Methanol:			
Genotoxicity	in vitro		acterial reverse mutation assay (AMES) CD Test Guideline 471 tive
		Test Type: In Result: negat	vitro mammalian cell gene mutation test ive
		Test Type: in Result: negat	vitro micronucleus test ive
Genotoxicity	in vivo	cytogenetic a Species: Mou	use for a second s
II Carcinogen	-	lable information.	
Component			
Methanol:	_		
Species		: Monkey	X
Application F Exposure tim		: inhalation (va : 7 Months	ipor)
Result		: negative	
IARC			esent at levels greater than or equal to 0.1% is or confirmed human carcinogen by IARC.
OSHA		ent of this product p list of regulated card	resent at levels greater than or equal to 0.1% is

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NTP	5		t of this product present at levels greater than or equal to 0.1% is a known or anticipated carcinogen by NTP.				
-	ductive toxicity assified based on availa	able	information.				
<u>Comp</u>	onents:						
1,1,1,2	2,2,3,4,5,5,5-Decafluor	оре	ntane:				
Effects	s on fertility	:	Species: Rat Application Rou	-generation reproduction toxicity study te: inhalation (vapor) Test Guideline 415			
Effects	s on fetal development	:	Species: Rat Application Rou	natal development toxicity study (teratogenicit te: inhalation (vapor) Test Guideline 414 e			
Repro- sessm	ductive toxicity - As- ent	:	Weight of evide ductive toxicity	nce does not support classification for repro-			
Trans	-Dichloroethylene:						
Effects	s on fetal development	:	Species: Rat Application Rou	Test Guideline 414			
Metha	inol:						
Effects	s on fertility	:	Species: Monke	te: inhalation (vapor)			
Effects	s on fetal development	:	test Species: Monke	te: inhalation (vapor)			

May cause damage to organs (optic nerve, Central nervous system).

Components:

1,1,1,2,2,3,4,5,5,5-Decafluoropentane:

Routes of exposure : Assessment :		Ingestion No significant health effects observed in animals at concentra-
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II		tions of 2000	mg/kg bw or less
	es of exposure ssment		t health effects observed in animals at concentra- mg/kg bw or less
	es of exposure ssment	: inhalation (va : No significan tions of 20 m	t health effects observed in animals at concentra-
Trans	s-Dichloroethylene:		
Asse	ssment	: May cause d	rowsiness or dizziness.
Meth	anol:		
	et Organs ssment	•	Central nervous system age to organs.
1,1,1 Route	ponents: ,2,2,3,4,5,5,5-Decafluo es of exposure ssment	: inhalation (va : No significan	ipor) t health effects observed in animals at concentra- /l/6h/d or less.
Trans	s-Dichloroethylene:		
	es of exposure ssment		t health effects observed in animals at concentra- ppmV/6h/d or less.
	es of exposure ssment		t health effects observed in animals at concentra- ng/kg bw or less.
Repe	ated dose toxicity		
Com	ponents:		
	2,2,3,4,5,5,5-Decafluo		
	EL EL cation Route sure time	: Rat, male an : 15.463 mg/l : 20.618 mg/l : inhalation (va : 90 Days : OECD Test (ipor)

Trans-Dichloroethylene:

Species

: Rat, male and female

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NOAE LOAE Applic Expos Metho	L cation Route sure time	:	4000 ppm > 4000 ppm Inhalation 90 Days OECD Test Guid	eline 413
Speci NOAE LOAE Applic Expos Metho	L		Rat, male and fer 3,210 mg/kg > 3,210 mg/kg Ingestion 98 Days OECD Test Guid	

Aspiration toxicity

Not classified based on available information.

Components:

1,1,1,2,2,3,4,5,5,5-Decafluoropentane:

No aspiration toxicity classification

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

1,1,1,2,2,3,4,5,5,5-Decafluoropentane:

L	-	
Toxicity to fish	:	LC50 (Danio rerio (zebra fish)): 13 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 10.6 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	EC50 (Selenastrum capricornutum (green algae)): > 120 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
		NOEC (Scenedesmus capricornutum (fresh water algae)): 120 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)	:	NOEC (Daphnia magna (Water flea)): 1.72 mg/l Exposure time: 21 d Method: OECD Test Guideline 211
Trans-Dichloroethylene:		
Toxicity to fish	:	LC50 (Lepomis macrochirus (Bluegill sunfish)): 135 mg/l Exposure time: 96 h

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			Remarks: Based	on data from similar materials
	ity to daphnia and other ic invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: EPA-660	
Toxic plants	ity to algae/aquatic S	:	EbC50 (Pseudoki mg/l Exposure time: 48 Method: OECD T	
Metha	anol:			
Toxic	ity to fish	:	LC50 (Lepomis m Exposure time: 96	acrochirus (Bluegill sunfish)): 15,400 mg/l 5 h
	ity to daphnia and other ic invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: DIN 384	
Toxic plants	ity to algae/aquatic	:	ErC50 (Raphidoc 22,000 mg/l Exposure time: 96 Method: OECD T	
Toxic	ity to microorganisms	:	Exposure time: 3	Neutralized product
Persi	stence and degradabil	ity		
<u>Com</u>	oonents:			
1,1,1,	2,2,3,4,5,5,5-Decafluor	оре	entane:	
Biode	gradability	:		y biodegradable. est Guideline 301D
Trans	s-Dichloroethylene:			
Biode	gradability	:	Result: not rapidly Method: OECD T	/ degradable est Guideline 301D
Meth	anol:			
Biode	gradability	:	Result: Readily bi Biodegradation: 9 Exposure time: 20	95 %
Bioad	cumulative potential			
Com	oonents:			

1,1,1,2,2,3,4,5,5,5-Decafluoropentane:

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	cumulation on coefficient: n-	:	Remarks: Bioacc log Pow: 2.4 (75	umulation is unlikely. °F / 24 °C)
octano	ol/water			
Trans	-Dichloroethylene:			
	on coefficient: n- bl/water	:	log Pow: 2.06	
Metha	nol:			
Bioaco	cumulation	:		us idus (Golden orfe) factor (BCF): < 10
	on coefficient: n- bl/water	:	log Pow: -0.77	
Mobil	ity in soil			
	ta available			
Other	adverse effects			
No da	ta available			
SECTION				

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods		
Waste from residues	:	Dispose of in accordance with local regulations. Do not dispose of waste into sewer.
Contaminated packaging	:	Empty containers should be taken to an approved waste handling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to IMO instruments

Not applicable for product as supplied.

Domestic regulation

49 CFR UN/ID/NA number : UN 3082



according to the OSHA Hazard Communication Standard

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Proper shipping name Class Packing group Labels ERG Code Marine pollutant Remarks	(Trans-Dichloroe 9 III CLASS 9 171 no THE ABOVE INF	ORMATION ONLY APPLIES TO PACKAGE THE HAZARDOUS SUBSTANCE MEETS

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. REGULATORY INFORMATION

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ	Calculated product RQ
		(lbs)	(lbs)
Trans-Dichloroethylene	156-60-5	1000	2334
Methanol	67-56-1	5000	125137

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards	:		an toxicity (single or re ge or eye irritation	peated exposure)
SARA 313	:	The following components are subject to reporting levels es- tablished by SARA Title III, Section 313:		
		Methanol	67-56-1	>= 1 - < 5 %

US State Regulations

Pennsylvania Right To Know

1,1,1,2,2,3,4,5,5,5-Decafluoropentane	138495-42-8
Trans-Dichloroethylene	156-60-5
Methanol	67-56-1
1,2-Butylene oxide	106-88-7

California Prop. 65

WARNING: This product can expose you to chemicals including Nitromethane, which is/are known to the State of California to cause cancer, and

Methanol, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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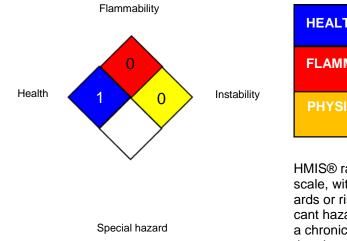
Version 13.0	Revision Date: 05/27/2025	SDS Number: 1327136-00050	Date of last issue: 05/23/2024 Date of first issue: 02/27/2017
Calif	ornia List of Hazardo	ous Substances	
	Trans-Dichloroe [.] Methanol	thylene	156-60-5 67-56-1
Calif	ornia Permissible Ex	posure Limits for Che	emical Contaminants
	Methanol		67-56-1
Inter	national Regulations	5	
	real Protocol		: 1,1,1,2,2,3,4,5,5,5- Decafluoropentane
Addi	tional regulatory info	ormation	
	,2,2,3,4,5,5,5- fluoropentane	138495-42	2-8
The Unite Rule (SNL	d States Environment	al Protection Agency (L ponents in this product	ISEPA) has established a Significant New Use
This mate	-		equires export notification under TSCA Section

SECTION 16. OTHER INFORMATION

12(b) and 40 CFR Part 707 Subpart D:

Further information

NFPA 704:



HMIS® IV:



HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

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For further information contact the local Chemours office or nominated distributors.

Full text of other abbreviations

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ACGIH ACGIH NIOSH	I BEI I REL	:	ACGIH - Biologica USA. NIOSH Rec	eshold Limit Values (TLV) al Exposure Indices (BEI) commended Exposure Limits	
OSHA		:	its for Air Contam		
WEEL		:	: Workplace Environmental Exposure Levels (WEEL)		
ACGIH	I/TWA	:	: 8-hour, time-weighted average		
ACGIH	I / STEL	: Short-term exposure limit			
NIOSH	I REL / TWA	:	 Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek 		
NIOSH	I REL / ST	:	: STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday		
WEEL	Z-1 / TWA / STEL / TWA		8-hour time weigh Short term expos 8-hr TWA		

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC -International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Sources of key data used to : compile the Material Safety Data Sheet

Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, http://echa.europa.eu/

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Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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