

Versio 6.4	n Revision Date: 03/24/2023		DS Number: 276241-00023	Date of last issue: 01/19/2023 Date of first issue: 12/06/2017		
SECT	ON 1. IDENTIFICATION					
Product name		:	Opteon™ SF80 Specialty Fluid			
S	DS-Identcode	:	130000144304			
М	Manufacturer or supplier's		ails			
С	ompany name of supplier	:	The Chemours C	ompany FC, LLC		
Address		:	1007 Market Street Wilmington, DE 19801 United States of America (USA)			
Telephone		:	1-844-773-CHEM (outside the U.S. 1-302-773-1000)			
E	mergency telephone	:		cy: 1-866-595-1473 (outside the U.S. 1-302- nsport emergency: +1-800-424-9300 (outside 527-3887)		
R	ecommended use of the	e chen	nical and restriction	ons on use		
R	ecommended use	:	Cleaning agent			
R	estrictions on use	:		ial installations only., Do not use product for of the above specified uses		

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accord 1910.1200)	dar	ce with the OSHA Hazard Communication Standard (29 CFR
Eye irritation	:	Category 2B
Specific target organ toxicity - single exposure	:	Category 3
GHS label elements		
Hazard pictograms	:	
Signal Word	:	Warning
Hazard Statements	:	H320 Causes eye irritation. H336 May cause drowsiness or dizziness.
Precautionary Statements	:	Prevention: P261 Avoid breathing mist or vapors. P264 Wash skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area.



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		and keep comfo unwell. P305 + P351 + for several minu to do. Continue	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 utes. Remove contact lenses, if present and easy rinsing. eye irritation persists: Get medical attention.		
		Storage: P405 Store locked up. Disposal: P501 Dispose of contents and container to an approved waste disposal plant.			
In us Vapo Misus ac ef	rs are heavier than ail se or intentional inhala fects.		ation by reducing oxygen available for breathing. death without warning symptoms, due to cardi-		

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name C	CAS-No.	Concentration (% w/w)
Trans-Dichloroethylene 1	56-60-5	>= 90 - <= 100
Methoxytridecafluoroheptene isomers N	lot Assigned	>= 1 - < 5
Actual concentration is withheld as a tra	de secret	

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

General advice	:	In the case of accident or if you feel unwell, seek medical ad- vice immediately. When symptoms persist or in all cases of doubt seek medical advice.
If inhaled	:	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
In case of skin contact	:	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn.



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			Get medical atten	tion.	
lf swa	llowed	:		NOT induce vomiting. tion if symptoms occur. bughly with water.	
	important symptoms ffects, both acute and ed	:	May cause cardia Causes eye irritat May cause drows		
Prote	ction 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	to physician	:	techolamine drugs	ble disturbances of cardiac rhythm, ca- s, such as epinephrine, that may be used in gency life support should be used with spe-	
SECTION	5. FIRE-FIGHTING ME	ASL	JRES		
Suitat	ble extinguishing media	:	Water spray Alcohol-resistant f Carbon dioxide (C Dry chemical		
Unsui media	table extinguishing	:	None known.		
Speci fightin	fic hazards during fire g	:		explosive mixtures with air. Soustion products may be a hazard to health.	
Hazaı ucts	dous combustion prod-	:	Carbon oxides Chlorine compour Hydrogen fluoride carbonyl fluoride		
Speci ods	fic extinguishing meth-	:	cumstances and t Use water spray t	measures that are appropriate to local cir- he surrounding environment. o cool unopened containers. ged containers from fire area if it is safe to do	

SECTION 6. ACCIDENTAL RELEASE MEASURES

Special protective equipment :

for fire-fighters

Personal precautions, protec- tive equipment and emer- gency procedures	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8).
Environmental precautions	:	Avoid release to the environment.

Use personal protective equipment.

In the event of fire, wear self-contained breathing apparatus.



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		Prevent spread oil barriers). Retain and disp	leakage or spillage if safe to do so. ing over a wide area (e.g., by containment or oose of contaminated wash water. s should be advised if significant spillages ained.			
Methods and materials for containment and cleaning up		 cannot be contained. Soak up with inert absorbent material. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements. 				
SECTION	7. HANDLING AND ST	ORAGE				
Tech	nical measures	5	g measures under EXPOSURE ERSONAL PROTECTION section.			
Local	/Total ventilation	ventilation.	tilation is unavailable, use with local exhaust			

If advised by assessment of the local exposure potential, use only in an area equipped with explosion-proof exhaust ventilation.

Advice on safe handling	 Do not get on skin or clothing. Avoid breathing 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 assessment Keep away from heat and sources of ignition. Take precautionary measures against static discharges. 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 shipping containers containing 5 gallons or more. The use of a drum pump is recommended for dispensing from pail/drum shipping containers with 5 gallons or more, except for smaller containers where adequate ventilation can be used to manage

the exposure. Keep in properly labeled containers.



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					ell-ventilated place. ce with the particular national regulations.
	Materia	ls to avoid	:	No special restrict	tions on storage with other products.
	Recom	mended storage tem- e	:	< 115 °F / < 46 °C	
	Further age sta		:	Keep away from o	direct sunlight.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters	
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Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Trans-Dichloroethylene	156-60-5	TWA	200 ppm	ACGIH
Methoxytridecafluoroheptene isomers	Not Assigned	TWA	200 ppm	WEEL
Engineering measures	If sufficient ve ventilation. If advised by a	ntilation is una	e concentrations. vailable, use with loca the local exposure po n explosion-proof exha	tential, use
Personal protective equipme	nt			
Respiratory protection	maintain vapo concentration unknown, app Follow OSHA use NIOSH/M by air purifying dous chemica respirator if th exposure leve	or exposures be s are above reconspirate respirator respirator regu ISHA approved g respirators ag I is limited. Use ere is any pote els are unknown	entilation is recommer slow recommended limits or a atory protection should lations (29 CFR 1910 respirators. Protection gainst exposure to any e a positive pressure a initial for uncontrolled r n, or any other circums is may not provide ade	hits. Where are d be worn. .134) and n provided v hazar- air supplied release, stance
Hand protection				
Material	: Chemical-resi	stant gloves		
Remarks	on the concer time is not de For special ap	ntration specific termined for the oplications, we	nds against chemicals to place of work. Brea product. Change glo recommend clarifying aforementioned protee	akthrough ves often! the re-



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		ı I	may be flammable	e manufacturer. Take note that the product e in use, which may impact the selection of Vash hands before breaks and at the end of
Еуе р	protection		Wear the following Safety goggles	g personal protective equipment:
Skin	Skin and body protection		f assessment der	g personal protective equipment: nonstrates that there is a risk of explosive ash fires, use flame retardant antistatic J.
Hygie	ene measures		eye flushing syste king place. When using do no	emical is likely during typical use, provide ems and safety showers close to the wor- ot eat, drink or smoke. ed clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Color	:	clear, colorless
Odor	:	slight
Odor Threshold	:	No data available
рН	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	117 °F / 47 °C
Flash point	:	does not flash
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not applicable
Flammability (liquids)	:	Not applicable
Upper explosion limit / Upper flammability limit	:	Upper flammability limit 15.25 %(V)
Lower explosion limit / Lower flammability limit	:	Lower flammability limit 7.25 %(V)



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Vap	or pressure	:	447 hPa	
	Relative vapor density		1.71	
Den	sity	:	1.29 g/cm ³	
	bility(ies) Vater solubility	:	No data availabl	e
	Partition coefficient: n- octanol/water		Not applicable	
Auto	Autoignition temperature		No data available	e
Dece	Decomposition temperature		No data available	e
	osity ′iscosity, kinematic	:	0.42 mm²/s	
Expl	Explosive properties		In use may form	flammable/explosive vapor-air mixture.
	Oxidizing properties			r mixture is not classified as oxidizing.
Part	icle size	:	Not applicable	

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

Information on likely routes of exposure

Inhalation Skin contact Ingestion Eye contact

Acute toxicity

Not classified based on available information.



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<u>Compo</u>	nents:			
Trans-I	Dichloroethylene:			
	ral toxicity	:	LD50 (Rat): 7,9 Method: OECD	02 mg/kg Test Guideline 420
Acute ir	nhalation toxicity	:	LC50 (Rat): 95. Exposure time: Test atmospher Method: OECD	4 h
			Lowest observe ppm Test atmospher	ed adverse effect concentration (Dog): 2500 re: gas
			Cardiac sensitis Test atmosphered	sation threshold limit (Dog): 991,309 mg/m³ re: gas
Acute d	ermal toxicity	:	LD50 (Rabbit): Method: OECD	> 5,000 mg/kg Test Guideline 402
Methox	ytridecafluorohep	tene is	omers:	
Acute o	ral toxicity	:	LD50 (Rat): > 5 Method: OECD	,000 mg/kg Test Guideline 420
Acute ir	nhalation toxicity	:	LC50 (Rat): > 2 Exposure time: Test atmospher Method: OECD	4 h
Acute d	ermal toxicity	:	LD50 (Rat): > 5 Method: OECD	,000 mg/kg Test Guideline 402
Skin co	prrosion/irritation			
Not clas	ssified based on ava	ailable i	nformation.	
<u>Compo</u>	onents:			
Trans-I	Dichloroethylene:			
Species Method Result		:	Rabbit OECD Test Gu Mild skin irritatio	
Methox	ytridecafluorohep	tene is	omers:	
Species Method Result	5	:	Rabbit OECD Test Gu No skin irritation	
Serious	s eye damage/eye	: irritatio		1



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Cor	nponents:		
	ns-Dichloroethylene:		
	ecies	: Rabbit	
Res			s, reversing within 7 days
Met	hod	: OECD Test Gu	
Met	thoxytridecafluorohep	tene isomers:	
	ecies	: Rabbit	
Res		: No eye irritatio	n
Met	hod	: OECD Test Gu	ideline 405
Res	spiratory or skin sens	tization	
Ski	n sensitization		
Not	classified based on available	ailable information.	
	spiratory sensitization		
	classified based on ava	ailable information.	
Cor	<u>mponents:</u>		
	thoxytridecafluorohep		
	t Type		ode assay (LLNA)
	utes of exposure	: Skin contact : Mouse	
	hod	: OECD Test Gu	ideline 429
Res		: negative	
Ger	m cell mutagenicity		
	classified based on ava	ailable information.	
<u>Cor</u>	nponents:		
Tra	ns-Dichloroethylene:		
	notoxicity in vitro	: Test Type: Bad	cterial reverse mutation assay (AMES)
	·	Method: OECE Result: negativ) Test Guideline 471
		-	
			itro mammalian cell gene mutation test
		Method: OECL Result: negativ) Test Guideline 476 e
		Test Type: Chi	omosome aberration test in vitro
) Test Guideline 473
		Result: negativ	
Ger	notoxicity in vivo		mmalian erythrocyte micronucleus test (in vivo
		cytogenetic as Species: Mous	
		Application Ro	
) Test Guideline 474
		Result: negativ	e



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	cell mutagenicity - sment	: Weight of evidence does not support classification as a germ cell mutagen.			
Metho	oxytridecafluorohept	ne isomers:			
Genot	oxicity in vitro	: Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471 Result: negative			
		Test Type: Chromosome aberration test in vitro Method: OECD Test Guideline 473 Result: negative			
		Test Type: In vitro mammalian cell gene mutation test Method: OECD Test Guideline 476 Result: negative			
Genot	oxicity in vivo	: Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Rat Application Route: Ingestion Method: OECD Test Guideline 474 Result: negative			
		Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Rat Application Route: Inhalation Method: OECD Test Guideline 474 Result: negative			
Germ cell mutagenicity - : Assessment		: Weight of evidence does not support classification as a germ cell mutagen.			
Carci	nogenicity				
Not cl IARC		able information. t of this product present at levels greater than or equal to 0.1% is probable, possible or confirmed human carcinogen by IARC.			
OSHA		No component of this product present at levels greater than or equal to 0.1% on OSHA's list of regulated carcinogens.			
NTP		t of this product present at levels greater than or equal to 0.1% is a known or anticipated carcinogen by NTP.			
-	oductive toxicity assified based on ava	able information.			
	oonents:				
	-Dichloroethylene:				
	s on fetal developmen	: Test Type: Embryo-fetal development Species: Rat Application Route: Inhalation			



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		Method: OEC Result: negati	D Test Guideline 414 ve
Methe	oxytridecafluorohe	ptene isomers:	
	s on fetal developme	ent : Test Type: Pro Species: Rat Application Ro	enatal development toxicity study (teratogenici oute: Ingestion D Test Guideline 414 ve
	-single exposure cause drowsiness or	dizziness.	
<u>Com</u> r	oonents:		
Trans	-Dichloroethylene:		
Asses	ssment	: May cause dr	owsiness or dizziness.
Methe	oxytridecafluorohe	ptene isomers:	
	es of exposure	: Ingestion	
Asses	ssment		health effects observed in animals at concentr mg/kg bw or less
	es of exposure	: Skin contact	
Asses	ssment		health effects observed in animals at concenting/kg bw or less
	es of exposure ssment	: inhalation (va : No significant tions of 20 mg	health effects observed in animals at concentr
	-repeated exposur		
	assified based on av	ailable information.	
	oonents:		
	s-Dichloroethylene:		
	es of exposure ssment		health effects observed in animals at concentr
Asses		tions of 250 p	omV/6h/d or less.
Route	es of exposure ssment	: Ingestion : No significant	
Route Asses	es of exposure	: Ingestion : No significant tions of 100 m	health effects observed in animals at concentr
Route Asses Metho Route	es of exposure ssment oxytridecafluorohe es of exposure	: Ingestion : No significant tions of 100 m ptene isomers: : Ingestion	health effects observed in animals at concenti g/kg bw or less.
Route Asses Metho Route	es of exposure ssment oxytridecafluorohe	: Ingestion : No significant tions of 100 m ptene isomers: : Ingestion : No significant	health effects observed in animals at concenti g/kg bw or less.
Route Asses Metho Route Asses	es of exposure ssment oxytridecafluorohe es of exposure	 Ingestion No significant tions of 100 m ptene isomers: Ingestion No significant tions of 100 m inhalation (value) 	health effects observed in animals at concentr g/kg bw or less. health effects observed in animals at concentr g/kg bw or less.



tions of 1 mg/l/6h/d or less. Repeated dose toxicity Components: Trans-Dichloroethylene: Species : Rat, male and female NOAEL : 4000 ppm Application Route : Inhalation Exposure time : 90 Days Method : OECD Test Guideline 413 Species : Rat, male and female NOAEL : 3,210 mg/kg LOAEL : 3,210 mg/kg Method : OECD Test Guideline 408 Species : Rat, male and female NOAEL : 1,000 mg/kg LOAEL : 2,1,000 mg/kg Application Route : Ingestion Exposure time : 90 d Method : OECD Test Guideline 408 Species : Rat, male and female NOAEL : 2,1,000 mg/kg Application Route : Ingestion Exposure time : 90 d Method : OECD Test Guideline 408 Species : Rat, male and female NOAEL : 37.025 mg/l LOAEL : 37.025 mg/l LOAEL : 37.025 mg/l LOAEL : 37.025 mg/l LOAEL : 37.025 mg/l Method : OECD Test Guideline 408 Species : Rat, male and female NOAEL : 37.025 mg/l LOAEL : 37.025 mg/l LOA	rsion	Revision Date: 03/24/2023	SDS Number: 2276241-00023	Date of last issue: 01/19/2023 Date of first issue: 12/06/2017
Species : Rat, male and female NOAEL : > 4000 ppm LOAEL : > 4000 ppm Application Route : > 1nhalation Exposure time : 90 Days Method : OECD Test Guideline 413 Species : Rat, male and female NOAEL : 3,210 mg/kg LOAEL : 3,210 mg/kg Application Route : Ingestion Exposure time : 98 Days Method : OECD Test Guideline 408 Species : Rat, male and female NOAEL : > 1,000 mg/kg Application Route : Ingestion Exposure time : > 90 d Method : OECD Test Guideline 408 Species : Rat, male and female NOAEL : > 7.025 mg/l			tions of 1 mg/l/6	Sh/d or less.
Trans-Dichloroethylene: Species : Rat, male and female NOAEL : : Application Route : Inhalation Exposure time : : Species : Rat, male and female NOAEL : : Species : Rat, male and female NOAEL : : Species : Rat, male and female NOAEL : : Species : Rat, male and female NOAEL : : CAEL : : Method : OECD Test Guideline 413 Species : Rat, male and female NOAEL : : Application Route : Ingestion Exposure time : : NOAEL : : <	Repe	ated dose toxicity		
Species:Rat, male and femaleNOAEL:4000 ppmLOAEL:> 4000 ppmLOAEL:> 4000 ppmApplication Route:InhalationExposure time:90 DaysMethod:OECD Test Guideline 413Species:Rat, male and femaleNOAEL:3,210 mg/kgLOAEL:> 3,210 mg/kgApplication Route:IngestionExposure time:98 DaysMethod:OECD Test Guideline 408Method:OECD Test Guideline 408Method:OECD Test Guideline 408Method:OECD Test Guideline 408Species:Rat, male and femaleNOAEL:1,000 mg/kgLOAEL:> 1,000 mg/kgApplication Route:IngestionExposure time::Species:Rat, male and femaleNOAEL::Species:Rat, male and femaleNOAEL::Method:OECD Test Guideline 408Species:Rat, male and femaleNOAEL:::::Method:::::::::::::::::::::::::::	<u>Comp</u>	oonents:		
NOAEL:4000 ppmLOAEL:> 4000 ppmApplication Route:InhalationExposure time:90 DaysMethod:OECD Test Guideline 413Species:Rat, male and femaleNOAEL: $3,210 \text{ mg/kg}$ LOAEL:> $3,210 \text{ mg/kg}$ Application Route:IngestionExposure time: 98 Days Method:OECD Test Guideline 408Methoxytridecafluoroheptene isomers:Species:Rat, male and femaleNOAEL:> 1,000 mg/kgLOAEL:> 1,000 mg/kgApplication Route:IngestionExposure time:90 dMethod:OECD Test Guideline 408Species:Rat, male and femaleNOAEL:> 1,000 mg/kgApplication Route:IngestionExposure time:90 dMethod:OECD Test Guideline 408Species:Rat, male and femaleNOAEL::MotAEL:::<	Trans	-Dichloroethylene:		
NOAEL: 3,210 mg/kgLOAEL: > 3,210 mg/kgApplication Route: IngestionExposure time: 98 DaysMethod: OECD Test Guideline 408MethodMethodRat, male and femaleNOAEL: 1,000 mg/kgLOAEL: > 1,000 mg/kgLOAEL: > 1,000 mg/kgApplication Route: IngestionExposure time: 90 dMethod: OECD Test Guideline 408Species: Rat, male and femaleNOAEL: 37.025 mg/lLOAEL: 37.025 mg/lLOAEL: 75.531 mg/lApplication Route: inhalation (vapor)Exposure time: 28 dMethod: OECD Test Guideline 412Aspiration toxicityNot classified based on available information.	NOAE LOAE Applic Expos	EL EL cation Route sure time	: 4000 ppm : > 4000 ppm : Inhalation : 90 Days	
Species:Rat, male and femaleNOAEL:1,000 mg/kgLOAEL:> 1,000 mg/kgApplication Route:IngestionExposure time:90 dMethod:OECD Test Guideline 408Species:Rat, male and femaleNOAEL:37.025 mg/lLOAEL:75.531 mg/lApplication Route:inhalation (vapor)Exposure time:28 dMethod:OECD Test Guideline 412Aspiration toxicityNot classified based on available information.	NOAE LOAE Applic Expos	EL EL cation Route sure time	: 3,210 mg/kg : > 3,210 mg/kg : Ingestion : 98 Days	
NOAEL:1,000 mg/kgLOAEL:> 1,000 mg/kgApplication Route:IngestionExposure time:90 dMethod:OECD Test Guideline 408Species:Rat, male and femaleNOAEL:37.025 mg/lLOAEL:75.531 mg/lApplication Route:inhalation (vapor)Exposure time:28 dMethod:OECD Test Guideline 412	Metho	oxytridecafluorohep	tene isomers:	
NOAEL: 37.025 mg/lLOAEL: 75.531 mg/lApplication Route: inhalation (vapor)Exposure time: 28 dMethod: OECD Test Guideline 412Aspiration toxicityNot classified based on available information.	NOAE LOAE Applic Expos	EL EL cation Route sure time	: 1,000 mg/kg : > 1,000 mg/kg : Ingestion : 90 d	
Not classified based on available information.	NOAE LOAE Applic Expos	EL EL cation Route sure time	: 37.025 mg/l : 75.531 mg/l : inhalation (vapo : 28 d	or)
	-	•	ailable information.	
Components:	Comp	oonents:		
Methoxytridecafluoroheptene isomers:	Metho	oxytridecafluorohep	tene isomers:	

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Trans-Dichloroethylene:

Toxicity to fish

: LC50 (Lepomis macrochirus (Bluegill sunfish)): 135 mg/l



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			Exposure time: 96 Remarks: Based	S h on data from similar materials
	ty to daphnia and other c invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: EPA-660	
Toxicit plants	ty to algae/aquatic	:	EbC50 (Pseudoki mg/l Exposure time: 48 Method: OECD T	
Metho	oxytridecafluorohepter	ne is	somers:	
Toxicit	ty to fish	:	Exposure time: 96 Method: OECD T	
	ty to daphnia and other c invertebrates	:	Exposure time: 48 Method: OECD T	
Toxicit plants	ty to algae/aquatic	:	0.000477 mg/l Exposure time: 72 Method: OECD T	
			0.000477 mg/l Exposure time: 72 Method: OECD T	
	ty to daphnia and other c invertebrates (Chron- city)	:	Exposure time: 2' Method: OECD T	
	xicology Assessment ic aquatic toxicity	:	May cause long la	asting harmful effects to aquatic life.
Persis	stence and degradabili	ity		
	onents:			
	-Dichloroethylene: gradability		Result: not rapidly	/ degradable
Pioner	graduonity	•		est Guideline 301D

Methoxytridecafluoroheptene isomers:



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Biode	egradability		erently biodegradable. Test Guideline 302C
Bioa	ccumulative potentia	I	
<u>Com</u>	ponents:		
Partit	s-Dichloroethylene: tion coefficient: n- nol/water	: log Pow: 2.06	
Meth	oxytridecafluorohep	tene isomers:	
Bioad	ccumulation	Bioconcentratio	nus carpio (Carp) on factor (BCF): 1,990 r Test Guideline 305
Mobi	ility in soil		
<u>Com</u>	ponents:		
Meth	oxytridecafluorohep	tene isomers:	
	ibution among environ- al compartments	i log Koc: 4.5 Remarks: immo	bbile
Othe	r adverse effects		
No da	ata available		
SECTION	13. DISPOSAL CON	SIDERATIONS	
Disp	osal methods		
-	te from residues		ccordance with local regulations. 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 Annex II of MARPOL 73/78 and the IBC Code Not applicable for product as supplied.



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Dom	estic regulation			
49 C	FR			
UN/I	UN/ID/NA number		UN 3082	
Proper shipping name		:	Environmentally I (Trans-Dichloroe	nazardous substance, liquid, n.o.s. thylene)
Clas	S	:	9	
Pack	ing group	:	111	
Labe		:	CLASS 9	
ERG	Code	:	171	
Marii	ne pollutant	:	no	
Rem		:		ORMATION ONLY APPLIES TO PACKAGE HE HAZARDOUS SUBSTANCE MEETS LE QUANTITY.

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.		Calculated product RQ
		(lbs)	(lbs)
Trans-Dichloroethylene	156-60-5	1000	1057
1,2-Butylene oxide	106-88-7	100	117096

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	:	Serious eye damage or eye irritation Specific target organ toxicity (single or repeated exposure)
SARA 313	:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

Pennsylvania Right To Know	
Trans-Dichloroethylene	156-60-5
Methoxytridecafluoroheptene isomers	Not Assigned
1,2-Butylene oxide	106-88-7
California List of Hazardous Substances	
Trans-Dichloroethylene	156-60-5
Additional regulatory information	
(Z)-1,1,1,4,4,4-Hexafluoro-2-butene 692-49-9	



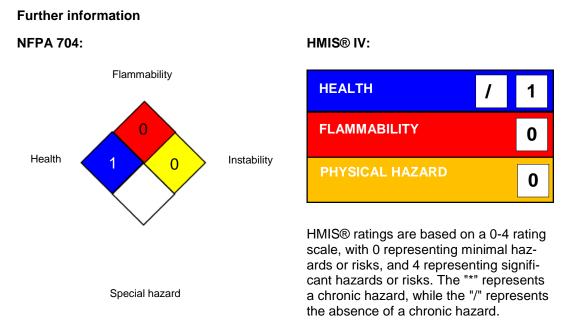
Version	Revision Date:	SDS Number:	Date of last issue: 01/19/2023
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The United States Environmental Protection Agency (USEPA) has established a Significant New Use Rule (SNUR) for one of the components in this product.

See 40 CFR § 721.10830

This material contains one or more substances which requires export notification under TSCA Section 12(b) and 40 CFR Part 707 Subpart D:

SECTION 16. OTHER INFORMATION



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

Full text of other abbreviations

ACGIH :	:	USA. ACGIH Threshold Limit Values (TLV)
WEEL :	:	Workplace Environmental Exposure Levels (WEEL)
ACGIH / TWA :	:	8-hour, time-weighted average
WEEL/TWA :	:	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



Version	Revision Date:	SDS Number:	Date of last issue: 01/19/2023
6.4	03/24/2023	2276241-00023	Date of first issue: 12/06/2017

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	:	Internal technical data, data from raw material SDSs, OECD
compile the Material Safety		eChem Portal search results and European Chemicals Agen-
Data Sheet		cy, http://echa.europa.eu/

Revision Date

: 03/24/2023

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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