

Versio 5.5		evision Date: 9/12/2020		9S Number: 65708-00011	Date of last issue: 02/20/2020 Date of first issue: 06/23/2017				
SECTI	'ION 1. IE	DENTIFICATION							
Р	Product name		:	Krytox™ GPL 204					
Р	Product co	ode	:	D12380880					
S	SDS-Iden	tcode	:	13000024326					
м	/lanufact	urer or supplier's c	deta	ils					
С	Company	name of supplier	:	The Chemours Company FC, LLC					
A	Address		:	1007 Market Street Wilmington, DE 19801 United States of America (USA)					
Т	Telephone		:	1-844-773-CHEM (outside the U.S. 1-302-773-1000)					
E	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)					
R	Recomm	ended use of the cl	hem	nical and restriction	ons on use				
R	Recomme	ended use	: Lubricant						
R	Restriction	ns on use	:	tions involving imp internal body fluid written agreemen	only. ell Chemours™ materials in medical applica- plantation in the human body or contact with s or tissues unless agreed to by Seller in a covering such use. For further information, ur Chemours representative.				

SECTION 2. HAZARDS IDENTIFICATION

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

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Other hazards

The thermal decomposition vapors of fluorinated plastics may cause polymer fume fever with flulike symptoms in humans, especially when smoking contaminated tobacco.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

No hazardous ingredients



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SECTION	4. FIRST AID MEASUF	RES			
lf inha	aled	:	If inhaled, remove Get medical atter	e to fresh air. tion if symptoms occur.	
In cas	In case of skin contact		Wash with water and soap as a precaution. Get medical attention if symptoms occur.		
In cas	In case of eye contact		Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.		
lf swa	llowed	:	Get medical atter	NOT induce vomiting. ntion if symptoms occur. oughly with water.	
and e	Most important symptoms and effects, both acute and delayed		Irritation Lung edema Eye contact may Blurred vision Discomfort Lachrymation	ovoke the following symptoms: provoke the following symptoms provoke the following symptoms:	
Prote	ction of first-aiders	:	No special preca	utions are necessary for first aid responders.	
Notes	to physician	:	Treat symptomat	ically and supportively.	

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media :	Not applicable Will not burn
Unsuitable extinguishing : media	Not applicable Will not burn
Specific hazards during fire : fighting	Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- : ucts	Hydrogen fluoride carbonyl fluoride potentially toxic fluorinated compounds aerosolized particulates Carbon oxides
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.



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Special protective equipment for fire-fighters		:	Evacuate area. Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.			
SEC	CTION 6	ACCIDENTAL RELE	ASI	E MEASURES		
	tive equ	al precautions, protec- upment and emer- procedures	:		ng advice (see section 7) and personal pro- recommendations (see section 8).	
	Environmental precautions		:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.		
		ls and materials for ment and cleaning up	:	For large spills, pr ment to keep mate pumped, store rec Clean up remainin bent. Local or national r sal of this materia ployed in the clean which regulations Sections 13 and 1	absorbent material. ovide diking or other appropriate contain- erial from spreading. If diked material can be covered material in appropriate container. ag materials from spill with suitable absor- egulations may apply to releases and dispo- l, as well as those materials and items em- nup of releases. You will need to determine are applicable. 5 of this SDS provide information regarding tional requirements.	

SECTION 7. HANDLING AND STORAGE

Technical measures	:	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	:	Use only with adequate ventilation.
Advice on safe handling	:	Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure as- sessment Take care to prevent spills, waste and minimize release to the environment.
Conditions for safe storage	:	Keep in properly labeled containers. Store in accordance with the particular national regulations.
Materials to avoid	:	No special restrictions on storage with other products.
Further information on stor- age stability	:	No decomposition if stored and applied as directed.



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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

Occupational exposure limits of decomposition products

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Hydrofluoric acid	7664-39-3	TŴA	3 ppm 2.5 mg/m ³	NIOSH REL
		С	6 ppm 5 mg/m³	NIOSH REL
		TWA	3 ppm	OSHA Z-2
		TWA	0.5 ppm (Fluorine)	ACGIH
		С	2 ppm (Fluorine)	ACGIH
Carbonyl difluoride	353-50-4	TWA	2 ppm	ACGIH
		STEL	5 ppm	ACGIH
		ST	5 ppm 15 mg/m³	NIOSH REL
		TWA	2 ppm 5 mg/m ³	NIOSH REL
Carbon dioxide	124-38-9	TWA	5,000 ppm	ACGIH
		STEL	30,000 ppm	ACGIH
		TWA	5,000 ppm 9,000 mg/m ³	OSHA Z-1
		TWA	5,000 ppm 9,000 mg/m ³	NIOSH REL
		ST	30,000 ppm 54,000 mg/m ³	NIOSH REL
Carbon monoxide	630-08-0	TWA	25 ppm	ACGIH
		TWA	35 ppm 40 mg/m³	NIOSH REL
		С	200 ppm 229 mg/m ³	NIOSH REL
		TWA	50 ppm 55 mg/m ³	OSHA Z-1

Engineering measures

Processing may form hazardous compounds (see section 10).

Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations.

Personal protective equipment

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Respiratory protection

General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are



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			Follow OSHA re use NIOSH/MSH by air purifying re dous chemical is respirator if there exposure levels	priate respiratory protection should be worn. spirator regulations (29 CFR 1910.134) and IA approved respirators. Protection provided espirators against exposure to any hazar- a limited. Use a positive pressure air supplied is any potential for uncontrolled release, are unknown, or any other circumstance ing respirators may not provide adequate
Hand	l protection			
Re	emarks	:	Wash hands bef	ore breaks and at the end of workday.
Eye p	Eye protection		Wear the following Safety glasses	ng personal protective equipment:
Skin	and body protection	:	Skin should be v	vashed after contact.
Hygie	ene measures	:	eye flushing syst king place. When using do r	nemical is likely during typical use, provide tems and safety showers close to the wor- not eat, drink or smoke. ated clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Grease
Color	:	white
Odor	:	odorless
Odor Threshold	:	No data available
рН	:	7
Melting point/freezing point	:	608 °F / 320 °C
Initial boiling point and boiling range	:	No data available
Flash point	:	Method: Pensky-Martens closed cup Not applicable
Evaporation rate	:	Not applicable
Flammability (solid, gas)	:	Will not burn
Upper explosion limit / Upper	:	No data available



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	flamma	bility limit			
	Lower explosion limit / Lower flammability limit Vapor pressure		:	No data available	
			:	Not applicable	
	Relative	e vapor density	:	Not applicable	
	Relative	e density	:	1.89 - 1.93 (75 °F	= / 24 °C)
	Solubili Wat	ty(ies) er solubility	:	insoluble	
	Partitio octanol	n coefficient: n- /water	:	Not applicable	
	Autoigr	nition temperature	:	No data available)
	Decom	position temperature	:	572 °F / 300 °C	
	Viscosi Visc	ty :osity, kinematic	:	Not applicable	
	Explosi	ve properties	:	Not explosive	
	Oxidizir	ng properties	:	The substance o	r mixture is not classified as oxidizing.
	Particle	e size	:	No data available)

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Not classified as a reactivity hazard.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reac- tions	:	Hazardous decomposition products will be formed at elevated temperatures.
Conditions to avoid	:	None known.
Incompatible materials	:	None.

Hazardous decomposition products Thermal decomposition Hvd

hermal decomposition	:	Hydrofluoric acid
-		Carbonyl difluoride
		Carbon dioxide
		Carbon monoxide

SAFETY DATA SHEET



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SECTION	11. TOXICOLOGICA	L INFORMATION	

Information on likely routes of exposure

Skin contact Ingestion Eye contact

Acute toxicity

Not classified based on available information.

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Not classified based on available information.

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Germ cell mutagenicity Not classified based on available information.

Carcinogenicity

Not classified based on available information.

- **IARC** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- **OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
- **NTP** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity No data available



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Persi	stence and degradal	oility		
	ata available	J		
	ccumulative potentia ata available	I		
Mobi	lity in soil			
No da	ata available			
Othe	r adverse effects			
No da	ata available			
	13. DISPOSAL CON	SIDEI	CATIONS	
-	osal methods e from residues	:	Dispose of in ad	ccordance with local regulations.
0				-
Conta	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 INF	ORN	IATION	
Inter	national Regulations			
UNR Not re	TDG egulated as a dangero	us go	od	
	-DGR egulated as a dangero	us go	od	
-	-Code egulated as a dangero	us go	od	
Trans	sport in bulk accordi	na to	Annex II of MAR	RPOL 73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

49 CFR

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

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

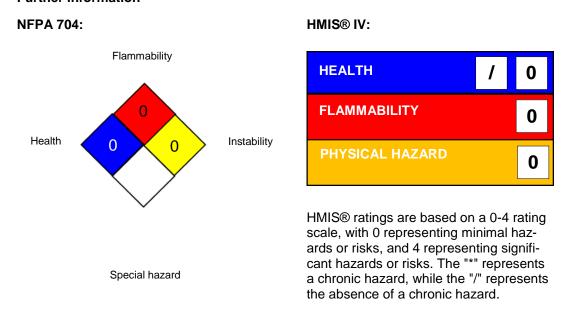
SARA 302 Extremely Hazardous Substances Threshold Planning Quantity This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : No SARA Hazards



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SARA	313	known CAS nu	oes not contain any chemical components with mbers that exceed the threshold (De Minimis) s established by SARA Title III, Section 313.	
US Sta	ate Regulations			
Penns	sylvania Right To Kno)w		
	PFPE fluid		Trade secret	
	Fluoropolymer		Trade secret	
Califo	rnia Prop. 65			
WARNING: This product can expose you to chemicals including Pentadecafluorooctanoic acid, 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. Note to User: This product is not made with PFOA nor is PFOA intentionally present in the product; however, it is possible that PFOA may be present as an impurity at background (environmental) levels.				
SECTION 1	16. OTHER INFORMA	TION		

Further information



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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	:	USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL	:	USA. NIOSH Recommended Exposure Limits
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Lim- its for Air Contaminants
OSHA Z-2	:	USA. Occupational Exposure Limits (OSHA) - Table Z-2



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ACGIH / TWA ACGIH / STEL		: Short-term e	 8-hour, time-weighted average Short-term exposure limit 			
ACGIH / C NIOSH REL / TWA		5	 Ceiling limit Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek 			
NIOSH REL / ST		: STEL - 15-n	STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday			
	H REL / C	5	Ceiling value not be exceeded at any time.8-hour time weighted average			
	A Z-1 / TWA A Z-2 / TWA		weighted average			

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; 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/
Revision Date	:	09/12/2020

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



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