

Version 6.0	Revision Date: 11/08/2022	SDS Number: 1764030-00014	Date of last issue: 06/15/2022 Date of first issue: 06/21/2017							
SECTION	SECTION 1. IDENTIFICATION									
Produ	uct name	: Krytox™ GPL	102							
SDS-	Identcode	: 13000002421	5							
	ufacturer or supplier's									
Com	pany name of supplier	: The Chemour	s Company FC, LLC							
Addre	ess	: 1007 Market S Wilmington, D	Street E 19801 United States of America (USA)							
Telep	phone	: 1-844-773-CH	IEM (outside the U.S. 1-302-773-1000)							
Emer	rgency telephone		gency: 1-866-595-1473 (outside the U.S. 1-302- Fransport emergency: +1-800-424-9300 (outside 03-527-3887)							
Reco	ommended use of the c	nemical and restri	ictions on use							
Reco	mmended use	: Lubricant								
Restr	rictions on use	tions involving internal body f written agreer	use only. resell Chemours™ materials in medical applica- i implantation in the human body or contact with fluids or tissues unless agreed to by Seller in a nent covering such use. For further information, t your 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	:	Substance
Substance name	:	PFPE fluid
CAS-No.	:	Trade secret



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-	oonents azardous ingredients					
SECTION	4. FIRST AID MEASUR	RES				
lf inha	aled	:	If inhaled, remo Get medical att	ve to fresh air. ention if symptoms occur.		
In cas	se of skin contact	:	Wash with water and soap as a precaution. Get medical attention if symptoms occur.			
In cas	se of eye contact	:	Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.			
lf swa	llowed	:	Get medical att	O NOT induce vomiting. ention if symptoms occur. oroughly with water.		
	important symptoms ffects, both acute and ed	:	Polymer fume f Skin contact ma Redness Eye contact ma Blurred vision Discomfort Lachrymation	ay provoke the following symptoms: y provoke the following symptoms provoke the following symptoms:		
Prote	ction of first-aiders	:	No special prec	autions are necessary for first aid responders.		
Notes	s to physician	:	Treat symptom	atically 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.



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ersion .0	Revision Date: 11/08/2022		9S Number: 64030-00014	Date of last issue: 06/15/2022 Date of first issue: 06/21/2017			
				to cool unopened containers. Iged containers from fire area if it is safe to do			
	Special protective equipment for fire-fighters		: Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.				
ECTION	6. ACCIDENTAL RELE	ASI	EMEASURES				
tive ec	nal precautions, protec- quipment and emer- procedures	:		ling advice (see section 7) and personal pro- t recommendations (see section 8).			
Environmental precautions		:	Prevent spreadin oil barriers). Retain and dispo	eakage or spillage if safe to do so. g over a wide area (e.g., by containment or se of contaminated wash water. should be advised if significant spillages			
Methods and materials for containment and cleaning up		:	For large spills, p ment to keep ma pumped, store re Clean up remain bent. Local or national sal of this materia ployed in the clea which regulations	rt absorbent material. provide diking or other appropriate contain- terial from spreading. If diked material can be covered material in appropriate container. ing materials from spill with suitable absor- regulations may apply to releases and dispo- al, as well as those materials and items em- anup of releases. You will need to determine s are applicable. 15 of this SDS provide information regarding			

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	:	Do not breathe decomposition products.
		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.



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Mate	rials to avoid	:	No special restric	tions on storage with other products.
Further information on stor- age stability		:	No decomposition	n if stored and applied as directed.

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
Hydrogen fluoride	7664-39-3	TWA	0.5 ppm (Fluorine)	ACGIH
		С	2 ppm (Fluorine)	ACGIH
		С	6 ppm 5 mg/m³	NIOSH REL
		TWA	3 ppm 2.5 mg/m ³	NIOSH REL
		TWA	3 ppm	OSHA Z-2
Carbonyl difluoride	353-50-4	TWA	2 ppm	ACGIH
		STEL	5 ppm	ACGIH
		TWA	2 ppm 5 mg/m ³	NIOSH REL
		ST	5 ppm 15 mg/m³	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	NIOSH REL
		ST	30,000 ppm 54,000 mg/m ³	NIOSH REL
		TWA	5,000 ppm 9,000 mg/m³	OSHA Z-1
Carbon monoxide	630-08-0	TWA	25 ppm	ACGIH
		TWA	35 ppm 40 mg/m ³	NIOSH REL
		С	200 ppm 229 mg/m ³	NIOSH REL
		TWA	50 ppm 55 mg/m³	OSHA Z-1

Engineering measures

: Processing may form hazardous compounds (see section 10).

Ensure adequate ventilation, especially in confined areas.





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			Minimize workpla	ce exposure concentrations.						
Pers	Personal protective equipment									
Res	Respiratory protection		General and local exhaust ventilation is recommended maintain vapor exposures below recommended limits. concentrations are above recommended limits or are unknown, appropriate respiratory protection should be Follow OSHA respirator regulations (29 CFR 1910.134 use NIOSH/MSHA approved respirators. Protection pro by air purifying respirators against exposure to any haz dous chemical is limited. Use a positive pressure air su respirator if there is any potential for uncontrolled relea exposure levels are unknown, or any other circumstant where air purifying respirators may not provide adequa protection.							
Hand	d protection									
R	emarks	:	Wash hands befo	re breaks and at the end of workday.						
Eye	protection	:	Wear the followin Safety glasses	g personal protective equipment:						
Skin	and body protection	:	Skin should be wa	ashed after contact.						
Hygi	ene measures	:	eye flushing syste king place. When using do ne	emical is likely during typical use, provide ems and safety showers close to the wor- ot eat, drink or smoke. red clothing before re-use.						

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	viscous liquid
Color	:	colorless
Odor	:	odorless
Odor Threshold	:	No data available
рН	:	7
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	Method: Pensky-Martens closed cup

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				does not flash	
	Evapor	ation rate	:	No data available)
	Flamma	ability (solid, gas)	:	Not applicable	
	Flamma	ability (liquids)	:	Will not burn	
		explosion limit / Upper bility limit	:	No data available	
		explosion limit / Lower bility limit	:	No data available	
	Vapor p	pressure	:	No data available)
	Relative	e vapor density	:	No data available	
	Relative	e density	:	1.86 - 1.91 (75 °F	= / 24 °C)
	Solubili Wat	ty(ies) er solubility	:	insoluble	
	Partition octanol	n coefficient: n- /water	:	No data available	9
	Autoign	ition temperature	:	No data available)
	Decom	position temperature	:	662 °F / 350 °C	
	Viscosi [.] Visc	ty osity, kinematic	:	No data available	
	Explosi	ve properties	:	Not explosive	
	Oxidizir	ng properties	:	The substance of	r mixture is not classified as oxidizing.
	Particle	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	:	Hazardous decomposition products will be formed at elevated temperatures.
Conditions to avoid	:	None known.
Incompatible materials	:	None.

Hazardous decomposition products



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Thermal decomposition		: Hydrogen fluorid Carbonyl difluori Carbon dioxide Carbon monoxid	de

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation 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.



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12. ECOLOGICAL IN	FORMATION				
oxicity					
	L 1114.				
Persistence and degradability No data available					
cumulative potentia	al				
No data available					
lity in soil					
No data available					
adverse effects					
ata available					
13. DISPOSAL CON	SIDERATIONS				
osal methods					
	11/08/2022 12. ECOLOGICAL IN exicity ata available stence and degrada ata available cumulative potentia ata available lity in soil ata available r adverse effects ata available 13. DISPOSAL CON	11/08/2022 1764030-00014 12. ECOLOGICAL INFORMATION oxicity ata available stence and degradability ata available ccumulative potential ata available ity in soil ata available r adverse effects ata available 13. DISPOSAL CONSIDERATIONS			

Waste from residues	: Dispose of in accordance with local regulations.
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.

Domestic regulation

49 CFR Not regulated as a dangerous good

Special precautions for user

Not applicable

SECTION 15. REGULATORY INFORMATION

CERCLA Reportable Quantity

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

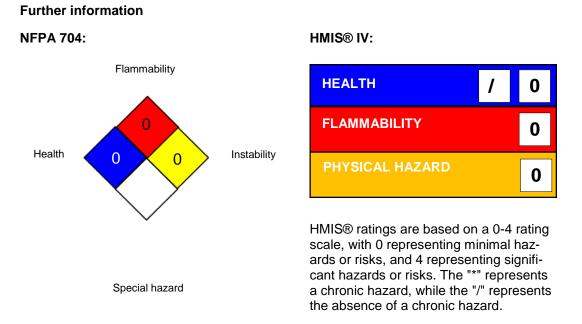


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SA	RA 304 Extremely Haza	rdou	s Substances Re	portable Quantity	
Thi	This material does not contain any components with a section 304 EHS RQ.				
SA	RA 302 Extremely Haza	rdou	s Substances Th	reshold Planning Quantity	
Thi	This material does not contain any components with a section 302 EHS TPQ.				
SA	RA 311/312 Hazards	:	No SARA Hazards		
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				
Pei	nnsylvania Right To Kno	ow			
	PFPE fluid			Trade secret	

California Prop. 65

WARNING: This product can expose you to chemicals including Pentadecafluorooctanoic acid, which is/are known to the State of California to cause cancer, and 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 16. OTHER INFORMATION



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



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Full text of other abbreviations

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

compile the Material Safety

Sources of key data used to : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen-

SAFETY DATA SHEET



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Data Sheet		cy, http://echa.	europa.eu/
Revision Date		: 11/08/2022	

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

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