according to the Hazardous Products Regulations



PTFE DRY FILM LUBRICANT, 191 g

Vers 1.0	sion	Revision Date: 07/17/2024	-	OS Number: 425932-00001	Date of last issue: - Date of first issue: 07/17/2024					
SEC	SECTION 1. IDENTIFICATION									
	Produc	ct name	:	PTFE DRY FILM	LUBRICANT, 191 g					
	Produc	ct code	:	893.550						
	Other	means of identification	:	No data available						
	Manuf	acturer or supplier's o	deta	ails						
	Compa	any name of supplier	:	Würth Canada Lir	nited					
	Addres	SS	:	345 Hanlon Creel GUELPH, ON N1	-					
	Teleph	one	:	+1 (905) 564 622	5					
	Telefa	x	:	+1 (905) 564 367	1					
	Emerg	ency telephone	:	CHEMTREC (24/ Transport related	llving a spill, fire, explosion or exposure: 7): 1-800-424-9300 emergencies: : 1-613-996-6666 or * 666 (cell)					
				exposition: CHEMTREC (24/ Urgences liées au	ant un déversement, incendie, explosion ou 7): 1-800-424-9300 u transport: : 1-613-996-6666 ou * 666 (cellulaire)					
	E-mail	address	:	prodsafe@wurth.	ca					
	Recon	nmended use of the c	hen	nical and restriction	ons on use					
	Recom	nmended use	:	Lubricant						
	Restric	ctions on use	:	Not applicable						

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accord							
Aerosols	:	Category 1					
Eye irritation	:	Category 2A					
Specific target organ toxicity	:	Category 3					

- single exposure

GHS label elements

according to the Hazardous Products Regulations



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Hazar	rd pictograms		!
Signa	l Word	: Danger	
Hazar	rd Statements	H229 Pressuris H319 Causes s	y flammable aerosol. ed container: May burst if heated. erious eye irritation. e drowsiness or dizziness.
Preca	utionary Statements	and other ignitic P211 Do not sp P251 Do not pie P261 Avoid bre P264 Wash skin P271 Use only	ay from heat, hot surfaces, sparks, open flames on sources. No smoking. ray on an open flame or other ignition source. erce or burn, even after use. athing spray. In thoroughly after handling. outdoors or in a well-ventilated area.
		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.
			ked up. rotect from sunlight. Do not expose to tempera- g 50 °C (122 °F).
		Disposal: P501 Dispose o disposal plant.	of contents and container to an approved waste
Other	hazards		

Repeated exposure may cause skin dryness or cracking.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

	Common Name/Synonym	CAS-No.	Concentration (% w/w)
Isobutane	Propane, 2- methyl-	75-28-5	>= 30 - < 60 *

SECTION 4. FIRST AID MEASURES



according to the Hazardous Products Regulations

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Buta	ane	Butyl hydride	106-97-8	>= 10 - < 30 *
	kanes, isoalkanes,	Naphtha (petro- leum), hy- drotreated light	64742-49-0	>= 5 - < 10 *
Prop	bane	Dimethylme- thane	74-98-6	>= 5 - < 10 *
Prop	ban-2-ol	Isopropyl alco- hol	67-63-0	>= 1 - < 5 *

* Actual concentration or concentration range is withheld as a trade secret

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. Get medical attention if symptoms occur.
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. Get medical attention.
If swallowed	:	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed	:	Causes serious eye irritation. May cause drowsiness or dizziness. Prolonged or repeated contact may dry skin and cause irrita- tion.
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 to physician	:	Treat symptomatically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	High volume water jet

according to the Hazardous Products Regulations



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	Specifi fighting	c hazards during fire	:	Vapors may form Exposure to comb	ble over considerable distance. explosive mixtures with air. pustion products may be a hazard to health. rises there is danger of the vessels bursting apor pressure.
	Hazard ucts	lous combustion prod-	:	Carbon oxides	
	Specific ods	c 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
	•	l protective equipment fighters	:		e, wear self-contained breathing apparatus. ective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- : tive equipment and emer- gency procedures	Remove all sources of ignition. 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. 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	 Non-sparking tools should be used. Soak up with inert absorbent material. Suppress (knock down) gases/vapors/mists with a water spray jet. 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 STORAGE

according to the Hazardous Products Regulations



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Tech	nnical measures	:		measures under EXPOSURE RSONAL PROTECTION section.
Loca	al/Total ventilation	:	ventilation. If advised by as	lation is unavailable, use with local exhaust sessment of the local exposure potential, use equipped with explosion-proof exhaust ventila-
Advi	ce on safe handling	:	Handle in accord practice, based sessment Keep away from other ignition so Take precaution Take care to pre environment.	spray.
Con	ditions for safe storage	:	Store in accorda Do not pierce or	vell-ventilated place. Ince with the particular national regulations. burn, even after use. ect from sunlight.
Mate	erials to avoid	:	Self-reactive sub Organic peroxid Oxidizing agents Flammable solic Pyrophoric liquic Pyrophoric solid Self-heating sub	s ls ls s stances and mixtures mixtures which in contact with water emit
Reco pera	ommended storage tem- ture	:	< 40 °C	

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
		exposule)	concentration	



according to the Hazardous Products Regulations

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Isobu	itane	75-28-5	TWA	1,000 ppm	CA AB OEL
			STEL	1,000 ppm	CA BC OEL
			STEL	1,000 ppm	ACGIH
Butar	ne	106-97-8	TWA	1,000 ppm	CA AB OEL
			TWAEV	800 ppm 1,900 mg/m³	CA QC OEL
			STEL	1,000 ppm	CA BC OEL
			STEL	1,000 ppm	ACGIH
Propa	ane	74-98-6	TWA	1,000 ppm	CA AB OEL
			TWAEV	1,000 ppm 1,800 mg/m ³	CA QC OEL
Propa	an-2-ol	67-63-0	STEL	400 ppm 984 mg/m ³	CA AB OEL
			TWA	200 ppm 492 mg/m ³	CA AB OEL
			TWA	200 ppm	CA BC OEL
			STEL	400 ppm	CA BC OEL
			TWAEV	200 ppm	CA QC OEL
			STEV	400 ppm	CA QC OEL
			TWA	200 ppm	ACGIH
			STEL	400 ppm	ACGIH

Biological occupational exposure limits

<u> </u>	•					
Components	CAS-No.	Control parameters	Biological specimen	Sam- pling time	Permissible concentra- tion	Basis
Propan-2-ol	67-63-0	Acetone	Urine	End of shift at end of work- week	40 mg/l	ACGIH BEI
Engineering measures	lf s ver If a	ntilation. dvised by ass y in an area ee	ation is unav essment of t	ailable, use he local exp	tions. with local exh posure potentia proof exhaust	al, use
Personal protective equ	ipment					
Respiratory protection	sur		demonstrate	es exposure	ot available or es outside the protection.	
Filter type	: Se	f-contained br	eathing appa	aratus		
Hand protection Material Break through time Glove thickness	: 480	Nitrile rubber 480 min 0.45 mm				

according to the Hazardous Products Regulations



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	Remarks		on the concentra applications, we micals of the afo		protect hands against chemicals depending on specific to place of work. For special ecommend clarifying the resistance to che- ementioned protective gloves with the glove ish hands before breaks and at the end of
	Eye protection		:	Wear the following Safety goggles	g personal protective equipment:
	Skin and	l body protection	:	resistance data ar potential. Wear the following If assessment der atmospheres or fla protective clothing Skin contact must	e protective clothing based on chemical and an assessment of the local exposure g personal protective equipment: nonstrates that there is a risk of explosive ash fires, use flame retardant antistatic g. be avoided by using impervious protective aprons, boots, etc).
		measures		eye flushing syste king place. When using do no Wash contaminate	mical is likely during typical use, provide ms and safety showers close to the wor- ot eat, drink or smoke. ed clothing before re-use.
SEC	TION 9. Appeara	PHYSICAL AND CHE	EMIC	CAL PROPERTIES	
	, ppoula				
	Propella	nt	:	Isobutane, Butan	e, Propane
	Color		:	beige	
	Odor		:	characteristic	
	Odor Th	reshold	:	No data available	9
	рН		:	Solvent mixture; aqueous solution	pH value determination not possible, no
	Melting p	point/freezing point	:	No data available	
	Initial bo range	iling point and boiling	:	Not applicable	
	Flash po	int	:	1 °C	

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				Flash point is onl	y valid for liquid portion in the aerosol can.
	Evapor	ation rate	:	Not applicable	
	Flamma	ability (solid, gas)	:	Extremely flamm	able aerosol.
		explosion limit / Upper bility limit	:	15 %(V)	
		explosion limit / Lower bility limit	:	0.6 %(V)	
	Vapor p	pressure	:	Not applicable	
	Relative	e vapor density	:	Not applicable	
	Density	,	:	0.795 g/cm ³ (20	°C)
	Solubili Wat	ty(ies) er solubility	:	insoluble	
	Partitio octanol	n coefficient: n- /water	:	Not applicable	
	Autoigr	nition temperature	:	No data available	9
	Decom	position temperature	:	No data available	9
	Viscosi Visc	ty :osity, kinematic	:	< 203.5 mm²/s (40 °C)
	Explosi	ve properties	:	In use, may form Not explosive	flammable/explosive vapor-air mixture.
	Oxidizir	ng properties	:	The substance o	r mixture is not classified as oxidizing.
	Particle Particle	e characteristics e 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	:	Extremely flammable aerosol. Vapors may form explosive mixture with air. If the temperature rises there is danger of the vessels bursting due to the high vapor pressure. Can react with strong oxidizing agents.

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Condi	tions to avoid	:	Heat, flames ar	d sparks.	
	patible materials		Oxidizing agent		
	-	•			
produ	dous decomposition cts	:	NO NAZAROOUS C	lecomposition products are known.	
ECTION	11. TOXICOLOGICAI	L INFC	RMATION		
Inhala Skin c Ingest Eye co	contact cion ontact	es of e	exposure		
	e toxicity assified based on ava	ilable i	nformation.		
Comp	oonents:				
Isobu	tane:				
Acute	inhalation toxicity	:	LC50 (Mouse): 2 Exposure time: 4 Test atmosphere	1 h	
Butar	ie:				
Acute	inhalation toxicity	:	LC50 (Rat): 658 Exposure time: 4 Test atmosphere	۱ h	
Hydro	ocarbons, C7-C9, n-a	lkane	s, isoalkanes, cy	clics:	
Acute	oral toxicity	:	LD50 (Rat): > 5,	000 mg/kg	
Acute	inhalation toxicity	:	LC50 (Rat): > 23 Exposure time: 4 Test atmosphere	1 h	
Acute	dermal toxicity	:	LD50 (Rat): > 2,800 mg/kg Assessment: The substance or mixture has no acute d toxicity		
Propa	ane:				
Acute	inhalation toxicity	:	LC50 (Rat): > 80 Exposure time: 7 Test atmosphere	15 min	
Propa	an-2-ol:				
Acute	oral toxicity	:	LD50 (Rat): > 5,	000 mg/kg	
Acute	inhalation toxicity	:	LC50 (Rat): > 25	5 mg/l	

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Versio 1.0	on	Revision Date: 07/17/2024		OS Number: 425932-00001	Date of last issue: - Date of first issue: 07/17/2024
				Exposure time: 6 Test atmosphere:	
A	Acute c	lermal toxicity	:	LD50 (Rabbit): > 3	5,000 mg/kg
-		prrosion/irritation			
		ssified based on availa	able	information.	
<u>c</u>	Compo	onents:			
	•	arbons, C7-C9, n-all	cane		clics:
	Species		:	Rabbit	
	Method Result		:	OECD Test Guide No skin irritation	eline 404
1	Count		•	No Skin initiation	
A	Assess	ment	:	Repeated exposu	re may cause skin dryness or cracking.
F	Propar	n-2-ol:			
	Species	6	:	Rabbit	
F	Result		:	No skin irritation	
		s eye damage/eye irr s serious eye irritation.	itati	on	
<u>c</u>	Compo	onents:			
F	Hydroc	arbons, C7-C9, n-all	ane	es, isoalkanes, cyo	clics:
	Species		:	Rabbit	
F	Result		:	No eye irritation	
F	Propar	n-2-ol:			
S	Species	6	:	Rabbit	
F	Result		:	Irritation to eyes,	reversing within 21 days
F	Respira	atory or skin sensitiz	atic	n	
S	Skin se	ensitization			
-		ssified based on availa	able	information.	
F	Resnir	atory sensitization			
	-	ssified based on availa	able	information.	
<u>c</u>	Compo	onents:			
ŀ	Hydroc	arbons, C7-C9, n-all	ane	es, isoalkanes, cyo	clics:
	Test Ty		:	Maximization Tes	t
		of exposure	:	Skin contact	
	Specie: Result	5	•	Guinea pig negative	
•			•	- 3	

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Prop	an-2-ol:							
Test ⁻	Type es of exposure ies od	: Buehler Test : Skin contact : Guinea pig : OECD Test Gu : negative	 Skin contact Guinea pig OECD Test Guideline 406 					
Germ	cell mutagenicity							
Not c	lassified based on av	vailable information.						
<u>Com</u>	ponents:							
Isobu	itane:							
Geno	toxicity in vitro	Method: OECD Result: negative	omosome aberration test in vitro Test Guideline 473 e d on data from similar materials					
Geno	toxicity in vivo	cytogenetic ass Species: Rat Application Rou Method: OECD Result: negative	ute: inhalation (gas) Test Guideline 474					
Buta	ne:							
Geno	toxicity in vitro	: Test Type: Bac Result: negative	terial reverse mutation assay (AMES) e					
Geno	toxicity in vivo	cytogenetic ass Species: Rat Application Rou Method: OECD Result: negative	ute: inhalation (gas) Test Guideline 474					
Hydr	ocarbons, C7-C9, n	-alkanes, isoalkanes, c	cyclics:					
Geno	toxicity in vitro	: Test Type: Bac Result: negative	terial reverse mutation assay (AMES)					
Geno	toxicity in vivo	: Test Type: Mar cytogenetic ass Species: Mouse Application Rou Result: negative	e ite: Ingestion					
Propa	ane:							
Geno	toxicity in vitro	: Test Type: Bac Result: negative	terial reverse mutation assay (AMES)					

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Geno	otoxicity in vivo	:	Test Type: Mamm cytogenetic assay Species: Rat Application Route Method: OECD To Result: negative	: inhalation (gas)
Prop	an-2-ol:			
Geno	otoxicity in vitro	:	Test Type: Bacter Result: negative	ial reverse mutation assay (AMES)
			Test Type: In vitro Result: negative	mammalian cell gene mutation test
Geno	otoxicity in vivo	:	Test Type: Mamm cytogenetic assay Species: Mouse	nalian erythrocyte micronucleus test (in vivo ′)
				: Intraperitoneal injection
	inogenicity classified based on availa	ıble	information.	
<u>Com</u>	ponents:			
Prop	an-2-ol:			
	cation Route sure time od	:	Rat inhalation (vapor) 104 weeks OECD Test Guide negative	eline 451
Ren	oductive toxicity			
•	classified based on availa	ble	information.	
<u>Com</u>	ponents:			
lsob	utane:			
Effec	ts on fertility	:		
Effec	ts on fetal development	:		

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	Butane	2.			
		on fertility	:		
	Effects	on fetal development	:		
	Hydrod	carbons, C7-C9, n-alk	ane	s, isoalkanes, cyc	lics:
	Effects	on fertility	:	Species: Rat Application Route Result: negative	eneration reproduction toxicity study : inhalation (vapor) on data from similar materials
	Effects	on fetal development	:	Species: Rat Application Route Result: negative	o-fetal development : inhalation (vapor) on data from similar materials
	Propar	ne:			
	-	on fertility	:		
	Effects	on fetal development	:		
	Propar	n-2-ol:			
	-	on fertility	:	Test Type: Two-g Species: Rat Application Route Result: negative	eneration reproduction toxicity study : Ingestion
	Effects	on fetal development	:	Test Type: Embry Species: Rat Application Route	o-fetal development Ingestion

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		Result: negative	
STO	Γ-single exposure		
Mayo	cause drowsiness or o	zziness.	
Com	ponents:		
Isobu	utane:		
Asse	ssment	: May cause drowsiness or dizzines	S.
Buta	ne:		
Asse	ssment	: May cause drowsiness or dizzines	S.
Hydr	ocarbons, C7-C9, n-	kanes, isoalkanes, cyclics:	
Asse	ssment	: May cause drowsiness or dizzines	S.
Prop	ane:		
	ssment	: May cause drowsiness or dizzines	S.
Prop	an-2-ol:		
	ssment	: May cause drowsiness or dizzines	S.
Repe	lassified based on av a ted dose toxicity ponents:		
Isobu	utane:		
Spec	ies	: Rat	
NOAI	EL	: 9000 ppm	
	cation Route sure time	: inhalation (gas) : 6 Weeks	
Meth		: OECD Test Guideline 422	
Buta	ne:		
Spec	ies	: Rat	
NOAI		: 9000 ppm	
	cation Route sure time	: inhalation (gas) : 6 Weeks	
Meth		: OECD Test Guideline 422	
Hydr	ocarbons, C7-C9, n-	kanes, isoalkanes, cyclics:	
Spec		: Rat	
NOAI Appli	EL cation Route	: 5.8 mg/l : inhalation (vapor)	
	sure time	: 13 Weeks	

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		s _ ation Route ure time		Rat 7.214 mg/l inhalation (gas) 6 Weeks OECD Test Guide	eline 422			
		s	: : :	Rat 12.5 mg/l inhalation (vapor) 104 Weeks				
	Aspiration toxicity Not classified based on available information. Components: Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics: The substance or mixture is known to cause human aspiration toxicity hazards or has to be re- garded as if it causes a human aspiration toxicity hazard.							
SEC	CTION 1 Ecoto	2. ECOLOGICAL INFO	ORI	MATION				
	<u>Produc</u>	<u>ct:</u>						
		kicology Assessment c aquatic toxicity	:	Harmful to aquation	c life with long lasting effects.			
	<u>Comp</u>	onents:						
	Hydro	carbons, C7-C9, n-alk	ane	es, isoalkanes, cyo	clics:			
	Toxicit	y to fish	:	Exposure time: 96	Vater Accommodated Fraction			
		y to daphnia and other invertebrates	:	Exposure time: 48	agna (Water flea)): 4.6 - 10 mg/l 3 h			

 Toxicity to algae/aquatic plants
 : EL50 (Pseudokirchneriella subcapitata (green algae)): 10 - 30 mg/l

 Exposure time: 72 h
 Method: OECD Test Guideline 201

 NOELR (Pseudokirchneriella subcapitata (green algae)): 10

Method: OECD Test Guideline 202

Test substance: Water Accommodated Fraction

mg/l

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				Exposure time: 72 Method: OECD Te	
		to daphnia and other invertebrates (Chron- ty)	:	Exposure time: 21	Vater Accommodated Fraction
	Propan	-2-01.			
	Toxicity		:	LC50 (Pimephale: Exposure time: 96	s promelas (fathead minnow)): 9,640 mg/l 5 h
		to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 24	agna (Water flea)): > 10,000 mg/l I h
	Toxicity	to microorganisms	:	EC50 (Pseudomo Exposure time: 16	nas putida): > 1,050 mg/l S h
	Persist	ence and degradabili	ity		
	<u>Compo</u>	nents:			
	Isobuta	ane:			
	Biodegr	adability	:	Result: Readily bi Biodegradation: 1 Exposure time: 38 Remarks: Based of	100 %
	Butane				
		adability	:	Result: Readily bi Biodegradation: 1 Exposure time: 38 Remarks: Based of	100 %
	Hvdroc	arbons, C7-C9, n-alk	ane	s. isoalkanes. cvo	lics:
		adability	:	Result: Readily bi Biodegradation: 8 Exposure time: 28 Method: OECD To	odegradable. 31 %
	Propan	e:			
	Biodegr	adability	:	Result: Readily bi Biodegradation: 1 Exposure time: 38 Remarks: Based of	100 %
	Propan	-2-ol:			
	•	adability	:	Result: rapidly de	gradable

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BC	BOD/COD		BOD: 1,19 (BOD COD: 2,23 BOD/COD: 53 %	5)
Bio	baccumulative potential			
<u>Co</u>	mponents:			
lso	butane:			
	rtition coefficient: n- anol/water	:	log Pow: 2.8	
Bu	tane:			
	rtition coefficient: n- anol/water	:	log Pow: 2.31	
Ну	drocarbons, C7-C9, n-al	kane	es, isoalkanes, cy	clics:
	rtition coefficient: n- anol/water	:	log Pow: > 4 Remarks: Expert	judgment
Pro	opan-2-ol:			
	rtition coefficient: n- anol/water	:	log Pow: 0.05	
	bility in soil			
No	data available			
	ner adverse effects data available			
SECTIC	N 13. DISPOSAL CONS	IDEF	ATIONS	
	sposal methods			
Wa	aste from residues	:	Do not dispose of	waste into sewer.
			Dispose of in acc	ordance with local regulations.
Co	ntaminated packaging	:	(including propella Empty containers	rosol cans are sprayed completely empty ant) should be taken to an approved waste ecycling or disposal.

handling site for recycling or disposal. Empty containers retain residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury and/or death. If not otherwise specified: Dispose of as unused product.

according to the Hazardous Products Regulations



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SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG UN number Proper shipping name Class Packing group Labels Environmentally hazardous	 UN 1950 AEROSOLS 2.1 Not assigned by regulation 2.1 no 	
IATA-DGR UN/ID No. Proper shipping name Class Packing group Labels Packing instruction (cargo aircraft) Packing instruction (passen- ger aircraft)	 UN 1950 Aerosols, flammable 2.1 Not assigned by regulation Flammable Gas 203 203 	
IMDG-Code UN number Proper shipping name	: UN 1950 : AEROSOLS	
Class Packing group Labels EmS Code Marine pollutant	 2.1 Not assigned by regulation 2.1 F-D, S-U no 	

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

Not applicable for product as supplied.

Domestic regulation

TDG UN number Proper shipping name	:	UN 1950 AEROSOLS
Class Packing group Labels ERG Code Marine pollutant	:	2.1 Not assigned by regulation 2.1 126 no

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

according to the Hazardous Products Regulations



PTFE DRY FILM LUBRICANT, 191 g

Version	Revision Date:	SDS Number:	Date of last issue: -	
1.0	07/17/2024	11425932-00001	Date of first issue: 07/17/2024	
Volatile organic compounds (VOC) content		Canada - Volatile Organic Compound Concentration Limits for Certain Products Regulations VOC content: 98.11 % / 545 g/l		

SECTION 16. OTHER INFORMATION

Full text of other abbreviations			
ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)	
ACGIH BEI	:	ACGIH - Biological Exposure Indices (BEI)	
CA AB OEL	:	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)	
CA BC OEL	:	Canada. British Columbia OEL	
CA QC OEL	:	Québec. Regulation respecting occupational health and safe-	
		ty, Schedule 1, Part 1: Permissible exposure values for air- borne contaminants	
ACGIH / TWA	:	8-hour, time-weighted average	
ACGIH / STEL	:	Short-term exposure limit	
CA AB OEL / TWA	:	8-hour Occupational exposure limit	
CA AB OEL / STEL	:	15-minute occupational exposure limit	
CA BC OEL / TWA	:	8-hour time weighted average	
CA BC OEL / STEL	:	short-term exposure limit	
CA QC OEL / TWAEV	:	Time-weighted average exposure value	
CA QC OEL / STEV	:	Short-term exposure value	

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; 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; 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; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; 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; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Sub-

according to the Hazardous Products Regulations



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stances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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 Agen- cy, http://echa.europa.eu/
Revision Date Date format	:	07/17/2024 mm/dd/yyyy

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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