

Version 3.0	Revision Date: 11/18/2022		DS Number: 0696656-00006	Date of last issue: 05/19/2022 Date of first issue: 05/22/2018
SECTION	1. IDENTIFICATION			
Produ	uct name	:	Wurth Film	
Produ	uct code	:	08933300	
Manı	afacturer or supplier's	deta	ails	
Com	pany name of supplier	:	Wurth USA Inc.	
Addre	ess	:	93 Grant St. Ramsey, NJ 074	46
Telep	phone	:	(201) 825-2710	
Telef	ax	:	(201) 825-1643	
Emer	gency telephone	:	+1 800 255 3924	
E-ma	il address	:	prodsafe@wuerth	n.com
Reco	mmended use of the o	cher	nical and restriction	ons on use
Reco	mmended use	:	Corrosion inhibito Lubricant	r

Restrictions on use : Not applicable

### **SECTION 2. HAZARDS IDENTIFICATION**

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)				
Flammable aerosols	:	Category 1		
Gases under pressure	:	Liquefied gas		
Specific target organ toxicity - single exposure	:	Category 3		
GHS label elements				
Hazard pictograms	:			
Signal Word	:	Danger		
Hazard Statements	:	H222 Extremely flammable aerosol. H280 Contains gas under pressure; may explode if heated. H336 May cause drowsiness or dizziness.		



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Precautionary Statements		<ul> <li>Prevention:</li> <li>P210 Keep away from heat, sparks, open flame and hot surfaces. No smoking.</li> <li>P211 Do not spray on an open flame or other ignition source.</li> <li>P251 Pressurized container: Do not pierce or burn, even after use.</li> <li>P261 Avoid breathing spray.</li> <li>P271 Use only outdoors or in a well-ventilated area.</li> </ul>				
			P312 IF INHALED: Remove person to fresh air rtable for breathing. Call a doctor if you feel			
		<b>Storage:</b> P405 Store lock P410 + P412 Pro tures exceeding	otect from sunlight. Do not expose to tempera-			
		<b>Disposal:</b> P501 Dispose of disposal plant.	contents and container to an approved waste			
Other	hazards					

None known.

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture

: Mixture

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
Lubricating oils (petroleum), hy-	64742-58-1	>= 30 - < 50
drotreated spent		
Liquified petroleum gas (LPG)	68476-85-7	>= 20 - < 30
Distillates (petroleum), solvent refined	64741-88-4	>= 5 - < 10
heavy paraffinic		
Distillates (petroleum), solvent refined	64741-96-4	>= 5 - < 10
heavy naphthenic		
Distillates (petroleum), hydrotreated	64742-52-5	>= 5 - < 10
heavy naphthenic		
Distillates (petroleum), hydrotreated	64742-54-7	>= 5 - < 10
heavy paraffinic		
Calcium carbonate	471-34-1	>= 1 - < 5
Petrolatum	8009-03-8	>= 1 - < 5
Actual concentration is withheld as a t	rade 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 advice immediately.



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			When symptoms advice.	persist or in all cases of doubt seek medical			
lf inh	If inhaled		,	If inhaled, remove to fresh air. Get medical attention if symptoms occur.			
In ca	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		:	Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.				
If sw	If swallowed		If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.				
	important symptoms effects, both acute and /ed	:	May cause drows	iness or dizziness.			
Prote	ection of first-aiders	:	and use the recor	ers should pay attention to self-protection, mmended personal protective equipment al for exposure exists (see section 8).			
Note	s to physician	:	Treat symptomati	cally 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
Specific hazards during fire fighting	:	Flash back possible over considerable distance. Vapors may form explosive mixtures with air. Exposure to combustion products may be a hazard to health. If the temperature rises there is danger of the vessels bursting due to the high vapor pressure.
Hazardous combustion prod- ucts	:	Carbon oxides Metal 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. Evacuate area.
Special protective equipment for fire-fighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.



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#### 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	:	<ul> <li>Non-sparking tools should be used.</li> <li>Soak up with inert absorbent material.</li> <li>Suppress (knock down) gases/vapors/mists with a water spray jet.</li> <li>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.</li> <li>Clean up remaining materials from spill with suitable absorbent.</li> <li>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.</li> <li>Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.</li> </ul>

### SECTION 7. HANDLING AND STORAGE

Technical measures :	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation :	If sufficient ventilation is unavailable, use with local exhaust ventilation. If advised by assessment of the local exposure potential, use only in an area equipped with explosion-proof exhaust ventila- tion.
Advice on safe handling :	Avoid breathing spray. Do not swallow. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure as- sessment Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges.



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			environment.	vent spills, waste and minimize release to the an open flame or other ignition source.			
Cond	Conditions for safe storage		<ul> <li>Store locked up.</li> <li>Keep in a cool, well-ventilated place.</li> <li>Store in accordance with the particular national regulations.</li> <li>Do not pierce or burn, even after use.</li> <li>Keep cool. Protect from sunlight.</li> </ul>				
Mate	rials to avoid	:	Self-reactive sub Organic peroxide Oxidizing agents Flammable solids Pyrophoric liquids Pyrophoric solids Self-heating subs	s s stances and mixtures mixtures which in contact with water emit			
Reco perat	mmended storage tem- ure	:	< 104 °F / < 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
Lubricating oils (petroleum), hydrotreated spent	64742-58-1	TWA (Inhal- able particu- late matter)	5 mg/m³	ACGIH
Liquified petroleum gas (LPG)	68476-85-7	TWA	1,000 ppm 1,800 mg/m³	NIOSH REL
		TWA	1,000 ppm 1,800 mg/m³	OSHA Z-1
Distillates (petroleum), solvent refined heavy paraffinic	64741-88-4	TWA (Inhal- able particu- late matter)	5 mg/m³	ACGIH
		TWA (Mist)	5 mg/m³	OSHA Z-1
		TWA (Mist)	5 mg/m³	NIOSH REL
		ST (Mist)	10 mg/m³	NIOSH REL
Distillates (petroleum), solvent refined heavy naphthenic	64741-96-4	TWA (Inhal- able particu- late matter)	5 mg/m³	ACGIH
		TWA (Mist)	5 mg/m³	OSHA Z-1
		TWA (Mist)	5 mg/m <sup>3</sup>	NIOSH REL
		ST (Mist)	10 mg/m <sup>3</sup>	NIOSH REL
Distillates (petroleum), hy- drotreated heavy naphthenic	64742-52-5	TWA (Inhal- able particu-	5 mg/m³	ACGIH



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		late matter)		
		TWA (Mist)	5 mg/m³	OSHA Z-1
		TWA (Mist)	5 mg/m³	NIOSH REL
		ST (Mist)	10 mg/m³	NIOSH REL
Distillates (petroleum), hy- drotreated heavy paraffinic	64742-54-7	TWA (Mist)	5 mg/m³	OSHA Z-1
		TWA (Mist)	5 mg/m³	NIOSH REL
		ST (Mist)	10 mg/m <sup>3</sup>	NIOSH REL
Calcium carbonate	471-34-1	TWA (Res- pirable)	5 mg/m³ (Calcium car- bonate)	NIOSH REL
		TWA (total)	10 mg/m³ (Calcium car- bonate)	NIOSH REL
Petrolatum	8009-03-8	TWA (Inhal- able particu- late matter)	5 mg/m³	ACGIH
		TWA (Mist)	5 mg/m³	OSHA Z-1
		TWA (Mist)	5 mg/m <sup>3</sup>	NIOSH REL
		ST (Mist)	10 mg/m <sup>3</sup>	NIOSH REL

Engineering measures	:	Minimize workplace exposure concentrations. If sufficient ventilation is unavailable, use with local exhaust ventilation. If advised by assessment of the local exposure potential, use only in an area equipped with explosion-proof exhaust venti- lation.
Personal protective equipme	nt	
Respiratory protection	:	General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazar- dous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.
Hand protection		
Material	:	Neoprene
Material	:	Nitrile rubber
Remarks	:	Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. For special applications, we recommend clarifying the resistance to che- micals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of



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	Eye pro	otection	:	duct. Change glov Wear the followin Safety glasses Always wear eye eye contact with t Please follow all a	rough time is not determined for the pro- ves often! g personal protective equipment: protection when the potential for inadvertent he product cannot be excluded. applicable local/national requirements when ve measures for a specific workplace.	
	Skin and body protection		:			
	Hygiene measures		:	<ul> <li>If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the wor- king place.</li> <li>When using do not eat, drink or smoke.</li> <li>Wash contaminated clothing before re-use.</li> </ul>		
SEC	TION 9	. PHYSICAL AND CH	EMI		S	
	Appear	rance	:	Aerosol containir	ng a liquefied gas	
	Propell	ant	:	Liquified petroleu	um gas (LPG)	
	Color		:	tan		
	Odor		:	: hydrocarbon-like		
	Odor T	hreshold	:	No data available	e	
	pН		:	No data available	9	
	Melting	point/freezing point	:	No data available	9	

Flash point : 302 °F / 150 °C Method: Seta closed cup Flash point is only valid for liquid portion in the aerosol can.

Initial boiling point and boiling : Not applicable

range

Evaporation rate: Not applicableFlammability (solid, gas): Extremely flammable aerosol.



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		explosion limit / Upper bility limit	:	No data available	
		explosion limit / Lower bility limit	:	No data available	
	Vapor p	pressure	:	Not applicable	
	Relative	e vapor density	:	> 1	
	Relative	e density	:	No data available	<b>)</b>
	Density	,	:	0.97 g/cm³ (77 °F	7 / 25 °C)
	Solubili Wat	ty(ies) er solubility	:	insoluble	
	Partitio octanol	n coefficient: n- /water	:	Not applicable	
	Autoigr	ition temperature	:	No data available	9
	Decom	position temperature	:	No data available	9
	Viscosi Visc	ty osity, kinematic	:	1.23 mm²/s (104	°F / 40 °C)
	Explosi	ve properties	:	Not explosive	
	Oxidizir Particle	ng properties	:	The substance of Not applicable	mixture is not classified as oxidizing.
	raiucie	5 3120	·		

### 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.	
Conditions to avoid	:	Heat, flames and sparks.	
Incompatible materials	:	Oxidizing agents	
Hazardous decomposition products	:	No hazardous decomposition products are known.	



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SECTION	11. TOXICOLOGICA	L INFO	RMATION	
Inhala Skin o Inges	contact	es of e	exposure	
Not c	e toxicity lassified based on ava	ilable	information.	
Com	ponents:			
	icating oils (petroleu e oral toxicity		drotreated spen LD50 (Rat): > 2,	
Acute	e dermal toxicity	:	LD50 (Rabbit): >	• 4,480 mg/kg
Liqui	fied petroleum gas (I	LPG):		
Acute	e inhalation toxicity	:	LC50 (Mouse): 5 Exposure time: 2 Test atmosphere Remarks: Based	2 h
Distil	lates (petroleum), so	lvent	refined heavy pa	araffinic:
Acute	e oral toxicity	:		000 mg/kg Test Guideline 401 I on data from similar materials
Acute	inhalation toxicity	:	Assessment: Th tion toxicity	4 h
Acute	e dermal toxicity	:		5,000 mg/kg Test Guideline 402 I on data from similar materials
Distil	lates (petroleum), so	lvent	refined heavy na	aphthenic:
Acute	e oral toxicity	:		000 mg/kg Test Guideline 401 I on data from similar materials
Acute	inhalation toxicity	:		4 h



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		Remarks: Based on data from similar materials		
Acute	e dermal toxicity	: LD50 (Rabbit): > 5,000 mg/kg Method: OECD Test Guideline 402 Remarks: Based on data from similar materials		
Disti	llates (petroleum), hy	otreated heavy naphthenic:		
Acute	e oral toxicity	<ul> <li>LD50 (Rat): &gt; 5,000 mg/kg Method: OECD Test Guideline 401 Remarks: Based on data from similar materials</li> </ul>		
Acute	e inhalation toxicity	<ul> <li>LC50 (Rat): &gt; 5.53 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Assessment: The substance or mixture has no acute inhala- tion toxicity Remarks: Based on data from similar materials</li> </ul>		
Acute	e dermal toxicity	<ul> <li>LD50 (Rabbit): &gt; 5,000 mg/kg Method: OECD Test Guideline 402 Remarks: Based on data from similar materials</li> </ul>		
Disti	llates (petroleum), hy	otreated heavy paraffinic:		
	e oral toxicity	<ul> <li>LD50 (Rat): &gt; 5,000 mg/kg</li> <li>Method: OECD Test Guideline 401</li> <li>Remarks: Based on data from similar materials</li> </ul>		
Acute	e inhalation toxicity	<ul> <li>LC50 (Rat): &gt; 5.53 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Assessment: The substance or mixture has no acute inhala- tion toxicity Remarks: Based on data from similar materials</li> </ul>		
Acute	e dermal toxicity	<ul> <li>LD50 (Rabbit): &gt; 5,000 mg/kg Method: OECD Test Guideline 402 Remarks: Based on data from similar materials</li> </ul>		
Calc	ium carbonate:			
Acute	e oral toxicity	<ul> <li>LD50 (Rat): &gt; 2,000 mg/kg Method: OECD Test Guideline 420 Assessment: The substance or mixture has no acute oral to: icity</li> </ul>		
Acute	e inhalation toxicity	<ul> <li>LC50 (Rat): &gt; 3 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Assessment: The substance or mixture has no acute inhala- tion toxicity</li> </ul>		



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Acute	dermal toxicity		2,000 mg/kg 0 Test Guideline 402 The substance or mixture has no acute derma		
Petro	latum:				
Acute oral toxicity			5,000 mg/kg ) Test Guideline 401 ed on data from similar materials		
Acute dermal toxicity		Method: OECI Assessment: T toxicity	LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 402 Assessment: The substance or mixture has no acute derma toxicity Remarks: Based on data from similar materials		
-	corrosion/irritation assified based on av	ailable information			
	oonents:				
Distil	lates (petroleum), s	olvent refined heavy	paraffinic:		
Speci		: Rabbit			
Resul		: No skin irritatio	n		
Rema			from similar materials		
Distil	lates (petroleum), s	olvent refined heavy	naphthenic:		
	,, , , , , , , , , , , , , , , , , , ,	· · · · · · · · · · · · · · · · · · ·			
	<b>es</b>	· Rabbit			
Speci		: Rabbit . No skin irritatio	n		
	t	: No skin irritatio	on from similar materials		
Speci Resul Rema	t ırks	: No skin irritatio : Based on data	from similar materials		
Speci Resul Rema Distil	t arks lates (petroleum), h	: No skin irritatio : Based on data ydrotreated heavy na	from similar materials		
Speci Resul Rema <b>Distil</b> Speci	t arks <b>lates (petroleum), h</b> j es	: No skin irritatio : Based on data ydrotreated heavy na : Rabbit	from similar materials phthenic:		
Speci Resul Rema Distil	t urks <b>lates (petroleum), h</b> y es t	: No skin irritatio : Based on data ydrotreated heavy na : Rabbit : No skin irritatio	from similar materials phthenic:		
Speci Resul Rema <b>Distil</b> Speci Resul Rema	t arks <b>lates (petroleum), h</b> j es t t	: No skin irritatio : Based on data ydrotreated heavy na : Rabbit : No skin irritatio : Based on data	from similar materials <b>phthenic:</b> on from similar materials		
Speci Resul Rema Distill Speci Resul Rema Distill	t arks l <b>ates (petroleum), h</b> j es t t arks <b>lates (petroleum), h</b> j	<ul> <li>No skin irritatio</li> <li>Based on data</li> <li>ydrotreated heavy na</li> <li>Rabbit</li> <li>No skin irritatio</li> <li>Based on data</li> </ul>	from similar materials <b>phthenic:</b> on from similar materials		
Speci Resul Rema Distill Speci Resul Rema Distill Speci	t arks lates (petroleum), h es t arks lates (petroleum), h es	<ul> <li>No skin irritatio</li> <li>Based on data</li> <li>ydrotreated heavy na</li> <li>Rabbit</li> <li>No skin irritatio</li> <li>Based on data</li> <li>ydrotreated heavy pa</li> <li>c Rabbit</li> </ul>	from similar materials phthenic: on from similar materials raffinic:		
Speci Resul Rema Distill Speci Resul Rema Distill	t arks lates (petroleum), h es t lates (petroleum), h es t	<ul> <li>No skin irritatio</li> <li>Based on data</li> <li>ydrotreated heavy na</li> <li>Rabbit</li> <li>No skin irritatio</li> <li>Based on data</li> <li>ydrotreated heavy pa</li> <li>Rabbit</li> <li>Rabbit</li> <li>No skin irritatio</li> </ul>	from similar materials phthenic: on from similar materials raffinic:		
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Speci Resul Rema Distill Speci Resul Speci Resul Rema Calcie	t urks lates (petroleum), hy es t lates (petroleum), hy es t arks um carbonate:	<ul> <li>No skin irritatio</li> <li>Based on data</li> <li>ydrotreated heavy na</li> <li>Rabbit</li> <li>No skin irritatio</li> <li>Based on data</li> <li>ydrotreated heavy pa</li> <li>Rabbit</li> <li>Rabbit</li> <li>No skin irritatio</li> </ul>	from similar materials phthenic: on from similar materials raffinic: on		
Speci Resul Rema Distill Speci Resul Speci Resul Rema	t arks lates (petroleum), hy es t arks t arks um carbonate: es	<ul> <li>No skin irritatio</li> <li>Based on data</li> <li>ydrotreated heavy na</li> <li>Rabbit</li> <li>No skin irritatio</li> <li>Based on data</li> <li>ydrotreated heavy pa</li> <li>Rabbit</li> <li>No skin irritatio</li> <li>Based on data</li> </ul>	from similar materials phthenic: on from similar materials raffinic: on from similar materials		
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Speci Resul Rema Distill Speci Resul Rema Distill Speci Resul Rema Calcie Speci Metho Resul	t arks lates (petroleum), h es t arks lates (petroleum), h es t arks um carbonate: es od t latum: es	<ul> <li>No skin irritatio</li> <li>Based on data</li> <li>ydrotreated heavy na</li> <li>Rabbit</li> <li>No skin irritatio</li> <li>Based on data</li> <li>ydrotreated heavy pa</li> <li>Rabbit</li> <li>No skin irritatio</li> <li>Based on data</li> </ul>	from similar materials phthenic: on from similar materials raffinic: on from similar materials uideline 404 on		



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Rem	arks	:	Based on data f	rom similar materials
Soria	ous eye damage/eye	irritati	on	
	classified based on ava			
	ponents:			
	llates (petroleum), so	olvent	refined heavy p	araffinic:
Spec			Rabbit	
Resu		:	No eye irritation	
Meth		:	OECD Test Gui	
Rem		:		rom similar materials
Disti	llates (petroleum), so	olvent	refined heavy n	aphthenic:
Spec			Rabbit	
Resu		:	No eye irritation	
Meth			OECD Test Gui	
Rem		:		rom similar materials
Dieti	llates (petroleum), hy	vdrotr	eated beavy nan	hthenic
		yurotri		intrienic.
Spec Resu		:	Rabbit	
Resu		:	No eye irritation Based on data f	rom similar materials
Dieti	llates (petroleum), h	vdrotr	nated heavy par	offinic
			Rabbit	annie.
Spec Resu		:		
Meth		:	No eye irritation OECD Test Gui	
Rem		:		rom similar materials
Calc	ium carbonate:			
-			Rabbit	
Spec Resu		:	No eye irritation	
Meth		:	OECD Test Gui	
Potro	olatum:			
			Dabbit	
Spec Resu		•	Rabbit	
Meth		:	No eye irritation OECD Test Gui	
Rem		:		rom similar materials
Resp	piratory or skin sensi	itizatio	n	
Skin	sensitization			
Not c	lassified based on ava	ailable	information.	

### Respiratory sensitization

Not classified based on available information.



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Compor	nents:		
		olvent refined heavy p	baraffinic:
Test Typ		: Buehler Test	
	of exposure	: Skin contact	
Species Method		: Guinea pig : OECD Test Gu	idalina 106
Result		: negative	idenne 400
Remarks	5		from similar materials
Distillat	es (petroleum), so	olvent refined heavy n	aphthenic:
Test Typ		: Buehler Test	
	of exposure	: Skin contact	
Species		: Guinea pig	
Method		: OECD Test Gu	ideline 406
Result		: negative	
Remarks	6		from similar materials
Distillat	es (petroleum), hv	drotreated heavy nag	ohthenic:
Test Typ		: Buehler Test	
	of exposure	: Skin contact	
Species		: Guinea pig	
Result		: negative	
Remarks	3		from similar materials
Distillat	es (petroleum), hy	drotreated heavy par	affinic:
Test Typ		: Buehler Test	
	of exposure	: Skin contact	
Species		: Guinea pig	
Method		: OECD Test Gu	ideline 406
Result		: negative	
Remarks	6	0	from similar materials
Calcium	carbonate:		
Test Typ	)e	: Local lymph no	de assay (LLNA)
	of exposure	: Skin contact	
Species		: Mouse	
Method		: OECD Test Gu	ideline 429
Result		: negative	
Petrolat	um:		
Test Typ		: Buehler Test	
	of exposure	: Skin contact	
Species		: Guinea pig	
Result		: negative	
Remarks	6		from similar materials

### Germ cell mutagenicity

Not classified based on available information.



ersion 0	Revision Date: 11/18/2022	SDS Number: 10696656-00006	Date of last issue: 05/19/2022 Date of first issue: 05/22/2018			
Com	oonents:					
Liqui	fied petroleum gas (	LPG):				
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	Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Rat Application Route: inhalation (gas) Method: OECD Test Guideline 474 Result: negative			
Distil	lates (petroleum), so	olvent refined heavy p	araffinic:			
Geno	toxicity in vitro	Method: OECD Result: negative	erial reverse mutation assay (AMES) Test Guideline 471 e d on data from similar materials			
		Method: OECD Result: negative Remarks: Base Test Type: Chro	d on data from similar materials omosome aberration test in vitro Test Guideline 473			
			d on data from similar materials			
<b>II</b> Geno	toxicity in vivo	cytogenetic ass Species: Mouse Application Rou Method: OECD Result: negative	e te: Intraperitoneal injection Test Guideline 474			
Distil	lates (petroleum), so	olvent refined heavy n	aphthenic:			
	toxicity in vitro	: Test Type: Bact Method: OECD Result: negative	erial reverse mutation assay (AMES) Test Guideline 471			
Geno	toxicity in vivo	cytogenetic ass Species: Mouse Application Rou Method: OECD Result: negative	e te: Intraperitoneal injection Test Guideline 474			



ersion )	Revision Date: 11/18/2022	SDS Number: 10696656-00006	Date of last issue: 05/19/2022 Date of first issue: 05/22/2018
Distil	lates (petroleum), hy	/drotreated heavy r	aphthenic:
	toxicity in vitro	: Test Type: B	acterial reverse mutation assay (AMES) CD Test Guideline 471
Geno	toxicity in vivo	cytogenetic a Species: Mor Application R Method: OEC Result: nega	use coute: Intraperitoneal injection CD Test Guideline 474
Distil	lates (petroleum), h	/drotreated heavy p	paraffinic:
Geno	toxicity in vitro		acterial reverse mutation assay (AMES) CD Test Guideline 471 tive
Geno	toxicity in vivo	cytogenetic a Species: Mor Application R Method: OEC Result: nega	use Route: Intraperitoneal injection CD Test Guideline 474
Calci	um carbonate:		
Geno	toxicity in vitro		acterial reverse mutation assay (AMES) CD Test Guideline 471 tive
			hromosome aberration test in vitro CD Test Guideline 473 tive
			vitro mammalian cell gene mutation test CD Test Guideline 476 tive
Petro	latum:		
Geno	toxicity in vitro	Result: nega	hromosome aberration test in vitro tive sed on data from similar materials
Geno	toxicity in vivo	cytogenetic a Species: Mor Application R Method: OEC Result: nega	use Route: Intraperitoneal injection CD Test Guideline 474



sion	Revision Date: 11/18/2022	SDS Number: 10696656-00006	Date of last issue: 05/19/2022 Date of first issue: 05/22/2018				
Carci	nogenicity						
Not cl	assified based on av	ailable information.					
Comp	oonents:						
Liqui	fied petroleum gas (						
-		: Mouse					
Speci	cation Route	: inhalation (gas)					
	sure time	: 103 weeks					
Resul		: negative					
Rema			rom similar materials				
Distil	lates (petroleum), s	olvent refined heavy pa	araffinic:				
Speci	es	: Mouse					
	cation Route	: Skin contact					
	sure time	: 78 weeks					
Resul		: negative					
Rema	arks	: Based on data f	rom similar materials				
Distil	lates (petroleum), s	olvent refined heavy na	aphthenic:				
Speci		: Mouse					
	cation Route	: Skin contact					
-	sure time	: 78 weeks					
Metho		: OECD Test Gui	deline 451				
Resul		: negative					
Rema	IIKS	. Based on data n	rom similar materials				
		ydrotreated heavy nap	hthenic:				
Speci		: Mouse					
	cation Route	: Skin contact					
•	sure time		78 weeks				
Metho			OECD Test Guideline 451				
Resul	t	: negative					
		ydrotreated heavy para	affinic:				
Speci		: Mouse					
	cation Route	: Skin contact					
	sure time	: 78 weeks	deline 151				
Metho		: OECD Test Guid					
Resul Rema		: negative : Based on data f	rom similar materials				
Rema	uks	. Dased on data n					
	latum:						
Speci		: Rat					
	cation Route	: Ingestion					
-	sure time	: 2 Years					
Resul	τ	: negative					
IARC	0		nt at levels greater than or equal to 0.1% confirmed human carcinogen by IARC.				



## **Wurth Film**

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OSH/	<b>HA</b> No component of this product present at levels greater than or equal to 0.1% on OSHA's list of regulated carcinogens.					
NTP				t at levels greater than or equal to 0.1% is carcinogen by NTP.		
-	oductive toxicity lassified based on availa	ıble	information.			
Com	oonents:					
Distil	lates (petroleum), solv	ent	refined heavy par	affinic:		
Effect	ts on fertility	:	test Species: Rat Application Route Method: OECD T Result: negative			
Effect	ts on fetal development	:	Species: Rat Application Route Result: negative	vo-fetal development e: Skin contact on data from similar materials		
Distil	lates (petroleum), solv	ent	refined heavy nag	ohthenic:		
	ts on fertility	:	Test Type: Repro test Species: Rat Application Route Result: negative	duction/Developmental toxicity screening		
Effect	ts on fetal development	:	Species: Rat Application Route Method: OECD T Result: negative			
Distil	lates (petroleum), hydr	otr	eated heavy paraf	finic:		
	ts on fertility	:	Test Type: Repro test Species: Rat Application Route Result: negative	duction/Developmental toxicity screening		
Effect	ts on fetal development	:	Test Type: Embry Species: Rat Application Route Method: OECD T			
			17 / 28			
			0			



rsion )	Revision Date: 11/18/2022	DS Number: Date of last issue: 05/19, 0696656-00006 Date of first issue: 05/22	-
		Result: negative Remarks: Based on data from similar mater	rials
	<b>um carbonate:</b> s on fertility	Test Type: Combined repeated dose toxicit reproduction/developmental toxicity screen Species: Rat Application Route: Ingestion Method: OECD Test Guideline 422 Result: negative	
Effects	s on fetal development	Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Method: OECD Test Guideline 414 Result: negative	
Petrol	atum:		
Effects	s on fertility	Test Type: Reproduction/Developmental to test Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar mater	
Effects	s on fetal development	Test Type: Embryo-fetal development Species: Rat Application Route: Skin contact Result: negative Remarks: Based on data from similar mater	rials
	-single exposure		
-	ause drowsiness or dizz • <b>onents:</b>	SS.	
	ied petroleum gas (LP		
Asses		May cause drowsiness or dizziness.	
	-repeated exposure assified based on availa	information.	
Repea	ated dose toxicity		
<u>Comp</u>	onents:		
Specie NOAE Applic		Rat 10000 ppm inhalation (gas) 13 Weeks	



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Distil	lates (petroleum), se	olvent refined heavy	paraffinic:
	EL cation Route sure time od arks	: Rabbit : 1,000 mg/kg : Skin contact : 4 Weeks : OECD Test Gu : Based on data : Rat	uideline 410 from similar materials
NOAE Applic	EL cation Route sure time	: > 980 mg/m³ : inhalation (dus : 4 Weeks	t/mist/fume) from similar materials
Distil	lates (petroleum), se	olvent refined heavy	naphthenic:
	EL cation Route sure time od	: Rabbit : 1,000 mg/kg : Skin contact : 4 Weeks : OECD Test Gu : Based on data	uideline 410 from similar materials
	EL cation Route sure time	: Rat : > 980 mg/m³ : inhalation (dus : 4 Weeks : Based on data	t/mist/fume) from similar materials
Distil	lates (petroleum), h	ydrotreated heavy na	phthenic:
	EL cation Route sure time	: Rat : > 0.98 mg/l : inhalation (dus : 28 Days : Based on data	t/mist/fume) from similar materials
Distil	lates (petroleum), h	ydrotreated heavy pa	raffinic:
Speci NOAE Applic	es EL cation Route sure time od	: Rabbit : 1,000 mg/kg : Skin contact : 4 Weeks : OECD Test Gu	
		: Rat : > 980 mg/m³ : inhalation (dus : 4 Weeks	t/mist/fume)
Calci	um carbonate:		
Speci NOAE Applic		: Rat : > 1,000 mg/kg : Ingestion	



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Expo Meth	sure time od	: 28 Days : OECD Test Gu	deline 422
Petro	platum:		
		: Rat : 5,000 mg/kg : Ingestion : 2 y	
Aspi	ration toxicity		
Not c	lassified based on ava	ailable information.	
SECTION	12. ECOLOGICAL IN	IFORMATION	
Ecot	oxicity		
<u>Com</u>	ponents:		
Lubr	icating oils (petroleu	m), hydrotreated spe	nt:
To visit the fish $1 + 50$ (One only making modules (reinhow the $t$ )), $1$			

Toxicity to fish	:	LL50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l Exposure time: 96 h Test substance: Water Accommodated Fraction Remarks: Based on data from similar materials
Toxicity to daphnia and other aquatic invertebrates	:	EL50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Test substance: Water Accommodated Fraction Remarks: Based on data from similar materials
Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)	:	NOELR (Daphnia magna (Water flea)): 1,000 mg/l Exposure time: 21 d Test substance: Water Accommodated Fraction Remarks: Based on data from similar materials
Distillates (petroleum), solve	nt	refined heavy paraffinic:
	:	
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 10,000 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 Remarks: Based on data from similar materials
Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials
Toxicity to daphnia and other aquatic invertebrates (Chron-	:	NOEC (Daphnia magna (Water flea)): 10 mg/l Exposure time: 21 d
		20 / 28



/ersion 3.0	Revision Date: 11/18/2022		98 Number: 696656-00006	Date of last issue: 05/19/2022 Date of first issue: 05/22/2018	
ic toxi	city)		Method: OECD T Remarks: Based	est Guideline 211 on data from similar materials	
Toxici	Toxicity to microorganisms		NOEC: > 1.93 mg/l Exposure time: 10 min Method: DIN 38 412 Part 8 Remarks: Based on data from similar materials		
Distill	ates (petroleum), solv	ent	refined heavy na	ohthenic:	
Toxici	ty to fish	:	Exposure time: 90 Method: OECD T	s promelas (fathead minnow)): > 100 mg/l 5 h est Guideline 203 on data from similar materials	
	ty to daphnia and other ic invertebrates	:	Exposure time: 48 Method: OECD T	nagna (Water flea)): > 10,000 mg/l 3 h est Guideline 202 on data from similar materials	
Toxici plants	ty to algae/aquatic	:	mg/l Exposure time: 72 Method: OECD T		
	ty to daphnia and other ic invertebrates (Chron- city)	:	Exposure time: 2 Method: OECD T		
Toxici	ty to microorganisms	:	NOEC: > 1.93 mg Exposure time: 10 Method: DIN 38 4 Remarks: Based	) min	
Distill	ates (petroleum), hydr	otre	eated heavy naph	thenic:	
	ty to fish	:	LC50 (Pimephale Exposure time: 96 Method: OECD T	s promelas (fathead minnow)): > 100 mg/l	
	ty to daphnia and other ic invertebrates	:	Exposure time: 48	nagna (Water flea)): > 10,000 mg/l 3 h on data from similar materials	
Toxici plants	ty to algae/aquatic	:	EC50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials		
	ty to daphnia and other ic invertebrates (Chron- city)	:	Exposure time: 2	nagna (Water flea)): 10 mg/l 1 d on data from similar materials	



/ersion 8.0	Revision Date: 11/18/2022		OS Number: 696656-00006	Date of last issue: 05/19/2022 Date of first issue: 05/22/2018				
Toxici	Toxicity to microorganisms		: NOEC: > 1.93 mg/l Exposure time: 10 min Remarks: Based on data from similar materials					
Distil	lates (petroleum), hydr	otro	eated heavy para	ffinic:				
Toxici	ity to fish	:	Exposure time: 9 Method: OECD 1	es promelas (fathead minnow)): > 100 mg/l 6 h Fest Guideline 203 on data from similar materials				
	ity to daphnia and other ic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 10,000 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 Remarks: Based on data from similar materials					
Toxici plants	ity to algae/aquatic	:	mg/l Exposure time: 7 Method: OECD 1	rchneriella subcapitata (green algae)): > 100 2 h Fest Guideline 201 on data from similar materials				
	ity to daphnia and other ic invertebrates (Chron- city)	:	<ul> <li>NOEC (Daphnia magna (Water flea)): 10 mg/l Exposure time: 21 d Method: OECD Test Guideline 211 Remarks: Based on data from similar materials</li> </ul>					
Toxic	ity to microorganisms	:	<ul> <li>NOEC: &gt; 1.93 mg/l</li> <li>Exposure time: 10 min</li> <li>Method: DIN 38 412 Part 8</li> <li>Remarks: Based on data from similar materials</li> </ul>					
Calci	um carbonate:							
	ity to fish	:	Exposure time: 9 Test substance:	chus mykiss (rainbow trout)): > 100 mg/l /6 h Water Accommodated Fraction Fest Guideline 203				
	ity to daphnia and other ic invertebrates	:	<ul> <li>EL50 (Daphnia magna (Water flea)): &gt; 100 mg/l</li> <li>Exposure time: 48 h</li> <li>Test substance: Water Accommodated Fraction</li> <li>Method: OECD Test Guideline 202</li> </ul>					
Toxici plants	ity to algae/aquatic	:	mg/l Exposure time: 7 Test substance:	kirchneriella subcapitata (green algae)): 50 2 h Water Accommodated Fraction Fest Guideline 201				
			mg/l Exposure time: 7 Test substance: 1	chneriella subcapitata (green algae)): > 100 2 h Water Accommodated Fraction Fest Guideline 201				



Versi 3.0	• • •	Revision Date: 11/18/2022		S Number: 696656-00006	Date of last issue: 05/19/2022 Date of first issue: 05/22/2018
-	Toxicity t	o microorganisms	:	NOEC: 1,000 mg/ Exposure time: 3 H Method: OECD Te EC50: > 1,000 mg Exposure time: 3 H Method: OECD Te	n est Guideline 209 I/I n
I	Petrolatu	um:			
-	Toxicity t	o fish	:	Exposure time: 96 Test substance: W Method: OECD Te	ater Accommodated Fraction
		o daphnia and other nvertebrates	:	Exposure time: 48 Test substance: W	agna (Water flea)): > 10,000 mg/l h /ater Accommodated Fraction on data from similar materials
	Toxicity t plants	o algae/aquatic	:	100 mg/l Exposure time: 72 Test substance: W Method: OECD Te	ater Accommodated Fraction
ä		o daphnia and other overtebrates (Chron- )	:	Exposure time: 21 Test substance: W	nagna (Water flea)): 10 mg/l d /ater Accommodated Fraction on data from similar materials
I	Persiste	nce and degradabili	ty		
9	Compon	ents:			
	<b>Liquified</b> Biodegra	<b>l petroleum gas (LP</b> dability	<b>G):</b>	Result: Readily bio Biodegradation: 7	
	<b>Distillate</b> Biodegra	e <b>s (petroleum), solv</b> e dability	ent :	Result: Not readily Biodegradation: 2 Exposure time: 28	/ biodegradable. 2 - 4 %
	<b>Distillate</b> Biodegra	e <b>s (petroleum), solv</b> e dability	ent :	Result: Not readily Biodegradation: 2 Exposure time: 28	/ biodegradable. 2 - 4 %



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Disti	llates (petroleum), hydr	otro	eated heavy naph	thenic:
	egradability	:	Result: Not readi Biodegradation: Exposure time: 2	ly biodegradable. 2 - 4 %
Disti	llates (petroleum), hydr	otro	eated heavy para	ffinic:
	egradability	:	Result: Not readi Biodegradation: Exposure time: 2	ly biodegradable. 31 %
Petro	platum:			
Biode	egradability	:		31 %
Bioa	ccumulative potential			
<u>Com</u>	ponents:			
Partit	i <b>fied petroleum gas (LP</b> ion coefficient: n- nol/water	G): :	log Pow: 1.09	
	<b>lity in soil</b> ata available			
	<b>r adverse effects</b> ata available			
ECTION	13. DISPOSAL CONSIL	DER	ATIONS	
Disp	osal methods			
-	e from residues	:	Dispose of in acc	ordance with local regulations.
Conta	aminated packaging	:	handling site for r Empty containers	s should be taken to an approved waste recycling or disposal. s retain residue and can be dangerous. e, cut, weld, braze, solder, drill, grind, or ex

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. Please ensure aerosol cans are sprayed completely empty (including propellant)



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SECTION	14. TRANSPORT INFO	RN	ATION	
Interi	national Regulations			
Prope	umber er shipping name	:	UN 1950 AEROSOLS 2.1 Not assigned by	regulation
Label	s	:	2.1	regulation
UN/IE Prope Class Packi Label Packi aircra Packi ger ai	er shipping name ing group s ing instruction (cargo ift) ing instruction (passen- ircraft)		UN 1950 Aerosols, flamm 2.1 Not assigned by Flammable Gas 203 203	regulation
UN n	<b>5-Code</b> umber er shipping name	:	UN 1950 AEROSOLS	
Label EmS	ng group		2.1 Not assigned by 2.1 F-D, S-U no	regulation

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

Not applicable for product as supplied.

#### **Domestic regulation**

<b>49 CFR</b> UN/ID/NA number Proper shipping name	-	UN 1950 Aerosols
Class Packing group Labels ERG Code Marine pollutant	:	2.1 Not assigned by regulation FLAMMABLE GAS 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.



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#### 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 :	Flammable (gases, aerosols, liquids, or solids) Gases under pressure 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.
Volatile organic compounds (VOC) content	40 CFR Part 59 National VOC Emission Standard For Con- sumer Products, Subpart C VOC content: 25 % / 198.6 g/l

#### **US State Regulations**

#### Pennsylvania Right To Know

i onnoyivania rugit i o ruton				
Lubricating oils (petroleum), hydrotreated spent Liquified petroleum gas (LPG) Distillates (petroleum), solvent refined heavy naphthenic Distillates (petroleum), hydrotreated heavy paraffinic Distillates (petroleum), solvent refined heavy paraffinic Distillates (petroleum), hydrotreated heavy naphthenic Petrolatum	64742-58-1 68476-85-7 64741-96-4 64742-54-7 64741-88-4 64742-52-5 8009-03-8			
California List of Hazardous Substances				
Distillates (petroleum), solvent refined heavy naphthenic Distillates (petroleum), hydrotreated heavy paraffinic Distillates (petroleum), solvent refined heavy paraffinic Distillates (petroleum), hydrotreated heavy naphthenic Petrolatum	64741-96-4 64742-54-7 64741-88-4 64742-52-5 8009-03-8			
California Permissible Exposure Limits for Chemical Contaminants				
Liquified petroleum gas (LPG) Distillates (petroleum), solvent refined heavy naphthenic Distillates (petroleum), hydrotreated heavy paraffinic Distillates (petroleum), solvent refined heavy paraffinic Distillates (petroleum), hydrotreated heavy naphthenic Calcium carbonate Petrolatum	68476-85-7 64741-96-4 64742-54-7 64741-88-4 64742-52-5 471-34-1 8009-03-8			
The ingredients of this product are reported in the following inventories:				

#### The ingredients of this product are reported in the following inventories:

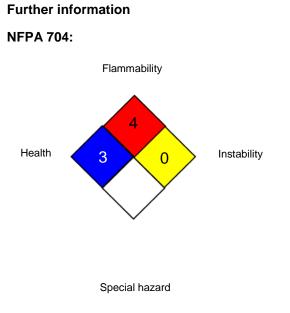
TSCA

: All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.



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#### **SECTION 16. OTHER INFORMATION**



#### HMIS® IV:



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

#### Full text of other abbreviations

ACGIH NIOSH REL OSHA Z-1	:	USA. ACGIH Threshold Limit Values (TLV) USA. NIOSH Recommended Exposure Limits USA. Occupational Exposure Limits (OSHA) - Table Z-1 Lim- its for Air Contaminants
ACGIH / TWA	:	8-hour, time-weighted average
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
OSHA Z-1 / 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 Pre-



Version	Revision Date:	SDS Number:	Date of last issue: 05/19/2022
3.0	11/18/2022	10696656-00006	Date of first issue: 05/22/2018

vention 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 Data Sheet		eChem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/

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

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