

UniPar FG-150 Version Date of last issue: 10/19/2021 Print Date: Revision Date: 12/14/2022 Date of first issue: 10/19/2021 12/13/2023 2.0 **SECTION 1. IDENTIFICATION** Product name : UniPar FG-150 Article-No. 340239 • Manufacturer or supplier's details Company name of supplier Klüber Lubrication NA LP 2 9010 County Road 2120 Tyler, Texas 75707 USA Phone: +1 903 534-8021 Fax: +1 903 581-4376 32 Industrial Drive Londonderry, NH 03053 USA Phone: +1 603 647-4104 Fax: +1 603 647-4106 E-mail address of person : mcm@us.kluber.com responsible for the SDS Material Compliance Management Emergency telephone : +1-517-545-7070 NCEC number Recommended use of the chemical and restrictions on use Recommended use Lubricating oil : Restrictions on use Restricted to professional users. :

SECTION 2. HAZARDS IDENTIFICATION

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

Reproductive toxicity	: Category 2	
GHS label elements Hazard pictograms		
Signal word	: Warning	

SAFETY DATA SHEET



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Haza	rd statements	: Suspected of damaging fertility.			
Precautionary statements		 Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/ protective clothing/ eye protection/ fac protection. 			
		Response: IF exposed or concerned: Get me	edical advice/ attention.		
		Storage: Store locked up.			
		Disposal:			
		Dispose of contents/ container to plant.	an approved waste disposal		
Otho	r hazarde				

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture	: Mixture
Chemical nature	: Mineral oil. Synthetic hydrocarbon oil

Components

CAS-No.	Concentration (% w/w)
8042-47-5	Trade secret (>= 60 - < 80)
68411-46-1	Trade secret (>= 0.1 - < 1)
	8042-47-5

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

If inhaled	:	Obtain medical attention. Remove person to fresh air. If signs/symptoms continue, get medical attention. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration.
In case of skin contact	:	Remove contaminated clothing. If irritation develops, get





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			medical attention. In case of contact, immediately flue	sh skin with plenty of water.
In ca	se of eye contact	:	Rinse immediately with plenty of w for at least 10 minutes. If eye irritation persists, consult a s	· · ·
lf swa	allowed	:	Move the victim to fresh air. Do NOT induce vomiting. Rinse mouth with water.	
	important symptoms effects, both acute and /ed	:	No information available. None known.	
Note	s to physician	:	No information available.	

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	:	High volume water jet
Hazardous combustion products	:	Carbon oxides Nitrogen oxides (NOx)
Further information	:	Standard procedure for chemical fires.
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. Exposure to decomposition products may be a hazard to health.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Evacuate personnel to safe areas. Use personal protective equipment. Refer to protective measures listed in sections 7 and 8.
Environmental precautions	:	Try to prevent the material from entering drains or water courses. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for	:	Contain spillage, and then collect with non-combustible





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conta	inment and cleaning ι	ıp	absorbent material, (e.g. sand, e vermiculite) and place in contain local / national regulations (see s	er for disposal according to
SECTION	7. HANDLING AND S	STOR	AGE	
Advic	e on safe handling	:	For personal protection see sect Smoking, eating and drinking she application area. Wash hands and face before bre handling the product.	ould be prohibited in the

		Do not get on skin or clothing.
Conditions for safe storage	:	Store in original container. Keep container closed when not in use. Keep in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in accordance with the particular national regulations. Keep in properly labelled containers.

Do not get in eyes or mouth or on skin.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

:

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
White mineral oil (petroleum)	8042-47-5	TWA (Inhalable particulate matter)	5 mg/m3	ACGIH (2013-03-01)
		TWA (Mist)	5 mg/m3	OSHA Z-1 (2018-03-15)
		TWA (Mist)	5 mg/m3	OSHA P0 (1989-01-19)
		TWA (Mist)	5 mg/m3	NIOSH REL (2019-10-04)
		ST (Mist)	10 mg/m3	NIOSH REL (2019-10-04)

Engineering measures

Handle only in a place equipped with local exhaust (or other appropriate exhaust).

Personal protective equipment

Respiratory protection

: Not required; except in case of aerosol formation.





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Fi	lter type	:	Filter type A-P	
M: Br	l protection aterial reak through time rotective index	:	Nitrile rubber > 10 min Class 1	
Re	emarks	:	Wear protective gloves. The break amongst other things on the materi type of glove and therefore has to b case.	al, the thickness and the
Eye p	protection	:	Safety glasses with side-shields	
Skin	and body protection	:	Choose body protection in relation concentration and amount of dange the specific work-place.	
Prote	ective measures	:	The type of protective equipment me to the concentration and amount of at the specific workplace.	
Hygie	ene measures	:	Wash face, hands and any expose handling.	d skin thoroughly after

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	yellow
Odour	:	hydrocarbon-like, mild
Odour Threshold	:	No data available
рН	:	Not applicable
Melting point/range	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	>= 365 °F / 185 °C





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			Method: open cup	
E	vaporation rate	:	No data available	
FI	lammability (solid, gas)	:	Not applicable	
S	elf-ignition	:	No data available	
	pper explosion limit / Upper ammability limit	· :	No data available	
	ower explosion limit / Lower ammability limit	· :	No data available	
Va	apour pressure	:	< 0.001 hPa (68 °F / 20 °C)	
R	Relative vapour density		No data available	
R	elative density	:	0.865 (68 °F / 20 °C) Reference substance: Water The value is calculated	
В	ulk density	:	No data available	
S	olubility(ies) Water solubility	:	insoluble	
	Solubility in other solvents	3 :	No data available	
	artition coefficient: n- ctanol/water	:	No data available	
A	uto-ignition temperature	:	No data available	
D	ecomposition temperature	:	No data available	
Vi	iscosity Viscosity, dynamic	:	No data available	
	Viscosity, kinematic	:	146 mm2/s (104 °F / 40 °C)	
E	xplosive properties	:	Not explosive	
0	xidizing properties	:	No data available	
S	ublimation point	:	No data available	

SECTION 10. STABILITY AND REACTIVITY





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Reac	tivity	:	No hazards to be specially mentioned.	
Chen	nical stability	:	Stable under normal conditions.	
	Possibility of hazardous reactions		: No dangerous reaction known under conditions of norma	
Cond	litions to avoid	:	No conditions to be specially mentione	d.
Incon	Incompatible materials		No materials to be especially mentione	d.
Haza produ	rdous decomposition	:	No decomposition if stored and applied	l as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

	Pr	od	uc	t:	
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Flouuci.		
Acute oral toxicity	:	Remarks: This information is not available.
Acute inhalation toxicity	:	Remarks: This information is not available.
Acute dermal toxicity	:	Remarks: This information is not available.
Components:		
White mineral oil (petroleum)):	
Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg Method: OECD Test Guideline 401 GLP: yes
Acute inhalation toxicity	:	LC50 (Rat): > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 GLP: yes Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity	:	LD50 (Rabbit): > 2,000 mg/kg Method: OECD Test Guideline 402 GLP: yes Assessment: The substance or mixture has no acute dermal toxicity

Benzenamine, N-pheny	I-, reaction products with 2,4,4-trimethylpentene:
Acute oral toxicity	\cdot I D50 (Rat): > 5 000 mg/kg

Acute oral toxicity	: LD50 (Rat): > 5,000 mg/kg
	Method: OECD Test Guideline 401





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51011	Revision Date: 12/14/2022		e of last issue: 10/19/2021 e of first issue: 10/19/2021	Print Date: 12/13/2023
Acute	e dermal toxicity	:	LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 402 Assessment: The substance or mi toxicity	
Skin	corrosion/irritation			
Prod	uct:			
Rema		:	This information is not available.	
<u>Com</u>	ponents:			
White	e mineral oil (petrole	eum):		
Speci	ies	:	Rabbit	
Asses	ssment	:	No skin irritation	
Methe	od	:	OECD Test Guideline 404	
Resu	lt	:	No skin irritation	
GLP		:	yes	
Benz	enamine, N-phenyl-	, reacti	on products with 2,4,4-trimethylp	pentene:
Speci	ies	:	Rabbit	
•	ssment	:	No skin irritation	
,				
Meth		:	OECD Test Guideline 404	
	od	:	OECD Test Guideline 404 No skin irritation	
Metho Resu	od	irritati	No skin irritation	
Metho Resu	od It ous eye damage/eye	irritati	No skin irritation	
Metho Resu Serio	od It ous eye damage/eye <u>uct:</u>	irritati	No skin irritation	
Metho Resu Serio Produ Rema	od It ous eye damage/eye <u>uct:</u>	irritati	No skin irritation on	
Metho Resu Serio Prod Rema <u>Com</u>	od It ous eye damage/eye <u>uct:</u> arks	:	No skin irritation on	
Metho Resu Serio Prod Rema Com White Speci	od It ous eye damage/eye <u>uct:</u> arks <u>ponents:</u> e mineral oil (petrole ies	:	No skin irritation on	
Metho Resu Serio Produ Rema Com Speci Resu	od It ous eye damage/eye <u>uct:</u> arks ponents: e mineral oil (petrole ies It	:	No skin irritation on This information is not available. Rabbit No eye irritation	
Metho Resu Serio Produ Rema Com Speci Resu Asses	od It ous eye damage/eye <u>uct:</u> arks ponents: e mineral oil (petrole ies It ssment	:	No skin irritation on This information is not available. Rabbit No eye irritation No eye irritation	
Metho Resu Serio Produ Rema Com Speci Resu Asses Metho	od It ous eye damage/eye <u>uct:</u> arks ponents: e mineral oil (petrole ies It ssment	:	No skin irritation on This information is not available. Rabbit No eye irritation No eye irritation OECD Test Guideline 405	
Metho Resu Serio Produ Rema Com Speci Resu Asses	od It ous eye damage/eye <u>uct:</u> arks ponents: e mineral oil (petrole ies It ssment	:	No skin irritation on This information is not available. Rabbit No eye irritation No eye irritation	
Metho Resu Serio Produ Rema Com Speci Resu Asses Metho GLP	od It ous eye damage/eye <u>uct:</u> arks ponents: e mineral oil (petrole ies It ssment od	eum): : : : :	No skin irritation on This information is not available. Rabbit No eye irritation No eye irritation OECD Test Guideline 405	pentene:
Metho Resu Serio Prod Rema Com Speci Resu Asses Metho GLP Benz	od It ous eye damage/eye <u>uct:</u> arks ponents: e mineral oil (petrole ies It ssment od	eum): : : : :	No skin irritation on This information is not available. Rabbit No eye irritation No eye irritation OECD Test Guideline 405 yes	pentene:
Metho Resu Serio Produ Rema Com Speci Resu Asses Metho GLP	od It ous eye damage/eye <u>uct:</u> arks <u>ponents:</u> e mineral oil (petrole ies It ssment od renamine, N-phenyl- ies	eum): : : : :	No skin irritation on This information is not available. Rabbit No eye irritation No eye irritation OECD Test Guideline 405 yes	pentene:
Metho Resu Serio Prod Rema Com White Speci Resu Asses Metho GLP Benz Speci Resu	od It ous eye damage/eye <u>uct:</u> arks <u>ponents:</u> e mineral oil (petrole ies It ssment od renamine, N-phenyl- ies	eum): : : : :	No skin irritation on This information is not available. Rabbit No eye irritation No eye irritation OECD Test Guideline 405 yes	pentene:





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Respi	iratory or skin sensi	tisatio	on	
<u>Produ</u>	uct:			
Rema		:	This information is not available.	
<u>Comr</u>	<u>oonents:</u>			
White	e mineral oil (petrole	um):		
Test T Speci	Гуре	:	Maximisation Test Guinea pig Does not cause skin sensitisation.	
Metho		:	OECD Test Guideline 406	
Resul	lt	:	Does not cause skin sensitisation.	
GLP		:	yes	
Benzo	enamine, N-phenyl-,	reacti	ion products with 2,4,4-trimethylp	entene:
Speci	es	:	Guinea pig	
	ssment	:	Did not cause sensitisation on labo	ratory animals.
Metho Resul		÷	OECD Test Guideline 406 Did not cause sensitisation on labo	ratory animale
Germ	cell mutagenicity			
<u>Produ</u>	uct:			
	u <u>ct:</u> toxicity in vitro	:	Remarks: No data available	
Genot			Remarks: No data available Remarks: No data available	
Genot Genot	toxicity in vitro			
Genot Genot <u>Comp</u>	toxicity in vitro toxicity in vivo	:		
Genot Genot <u>Comp</u> White	toxicity in vitro toxicity in vivo ponents:	:		typhimurium - reverse
Genot Genot Comp White Genot	toxicity in vitro toxicity in vivo <u>ponents:</u> e mineral oil (petrole	:	Remarks: No data available Test Type: Ames test Method: Mutagenicity (Salmonella t mutation assay) Result: negative	
Genot Genot White Genot Germ Asses	toxicity in vitro toxicity in vivo <u>conents:</u> e mineral oil (petrole toxicity in vitro	:	Remarks: No data available Test Type: Ames test Method: Mutagenicity (Salmonella t mutation assay) Result: negative GLP: yes Tests on bacterial or mammalian co	
Genot Genot White Genot Germ Asses	toxicity in vitro toxicity in vivo <u>conents:</u> a mineral oil (petrole toxicity in vitro cell mutagenicity - ssment nogenicity	:	Remarks: No data available Test Type: Ames test Method: Mutagenicity (Salmonella t mutation assay) Result: negative GLP: yes Tests on bacterial or mammalian co	





White	No compo identified a No compo	: No evidence of carcinogenicity in the second seco	eater than or equal to 0.1% i		
Carcine Assess IARC IARC OSHA	ogenicity - sment No compo identified a No compo	: No evidence of carcinogenicity in the second seco	eater than or equal to 0.1% i		
Assess IARC IARC OSHA	No composidentified a	nent of this product present at levels gre s probable, possible or confirmed huma	eater than or equal to 0.1% i		
IARC OSHA	identified a	s probable, possible or confirmed huma			
OSHA					
NTD		nent of this product present at levels gre is list of regulated carcinogens.	ater than or equal to 0.1% i		
NIF		nent of this product present at levels gre s a known or anticipated carcinogen by	f this product present at levels greater than or equal to 0.1% is own or anticipated carcinogen by NTP.		
Repro	ductive toxicity				
Produ	ct:				
Effects	on fertility	: Remarks: No data available			
Effects develo	on foetal pment	: Remarks: No data available			
Comp	onents:				
White	mineral oil (petrole	um):			
	ductive toxicity -	: - Fertility -			
Assess	sment	No toxicity to reproduction - Teratogenicity -			
		No effects on or via lactation			
		reaction products with 2,4,4-trimeth	ylpentene:		
Reproo Assess	ductive toxicity -	: - Fertility -			
,		Some evidence of adverse effe fertility, based on animal experi			
STOT	- single exposure				
Comp	onents:				
White	mineral oil (petrole	eum):			
Assess		: The substance or mixture is not organ toxicant, single exposure			



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rsion)	Revision Date: 12/14/2022		e of last issue: 10/19/2021 e of first issue: 10/19/2021	Print Date: 12/13/2023
STOT	- repeated exposu	re		
	<u>oonents:</u>			
	e mineral oil (petrol	eum):		
Asses	ssment	:	The substance or mixture is not clas organ toxicant, repeated exposure.	ssified as specific target
Repe	ated dose toxicity			
Produ	uct:			
Rema		:	This information is not available.	
Comr	oonents:			
		oum).		
NOAE	e mineral oil (petrol -	eum):	1,800 mg/kg	
	sure time	:	90 d	
Aspir	ation toxicity			
<u>Produ</u>	<u>uct:</u>			
This i	nformation is not ava	ailable.		
<u>Comp</u>	oonents:			
White	e mineral oil (petrol	eum):		
No as	piration toxicity class	sificatio	n	
Furth	er information			
Produ	<u>uct:</u>			
Rema	ırks	:	Information given is based on data of the toxicology of similar products.	on the components and
CTION	12. ECOLOGICAL I	NFOR	MATION	
Ecoto	oxicity			
Produ	-			
	ity to fish			

Toxicity to daphnia and other	:	
aquatic invertebrates		Remarks: No data available





/ to algae/aquatic / to microorganisms	:	Remarks: No data available	
/ to microorganisms			
	:	Remarks: No data available	
onents:			
mineral oil (petroleu	m):		
/ to fish	:	Exposure time: 96 h Test Type: static test	
/ to daphnia and other invertebrates	• :	Exposure time: 48 h Test Type: Immobilization	-
/ to daphnia and other invertebrates ic toxicity)	· :	NOEC (Daphnia magna (Water flea Exposure time: 21 d	a)): >= 1,000 mg/l
namine, N-phenyl-, r	eacti	on products with 2,4,4-trimethylp	entene:
/ to fish	:	LC50 (Danio rerio (zebra fish)): > 1 Exposure time: 96 h Test Type: static test	100 mg/l
/ to daphnia and other invertebrates	• :	Exposure time: 48 h Test Type: static test	
/ to algae/aquatic	:	Exposure time: 72 h Test Type: static test	
	v to fish v to daphnia and other invertebrates v to daphnia and other invertebrates ic toxicity) namine, N-phenyl-, re v to fish	v to daphnia and other : invertebrates v to daphnia and other : invertebrates c toxicity) namine, N-phenyl-, reacti v to fish : v to daphnia and other : invertebrates	A to fish:LC50 (Oncorhynchus mykiss (raint Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203A to daphnia and other invertebrates:EC50 (Daphnia (water flea)): > 100 Exposure time: 48 h Test Type: Immobilization Method: OECD Test Guideline 202A to daphnia and other invertebrates:NOEC (Daphnia magna (Water flea Exposure time: 21 dA to daphnia and other invertebrates c toxicity):NOEC (Daphnia magna (Water flea Exposure time: 21 dA to fish:LC50 (Danio rerio (zebra fish)): > 1 Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203A to daphnia and other invertebrates:EC50 (Daphnia magna (Water flea Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203A to daphnia and other invertebrates:EC50 (Daphnia magna (Water flea Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 203A to algae/aquatic:EC50 (Daphnia magna (Water flea Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 203

Product:

Biodegradability	:	Remarks: No data available
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FREUDENBERG

rsion	Revision Date: 12/14/2022	Date of last issue: 10/19/2021 Date of first issue: 10/19/2021	Print Date: 12/13/2023
Physic remov	o-chemical ability	: Remarks: No data available	
<u>Comp</u>	onents:		
White	mineral oil (petrole	um):	
Biodeç	gradability	 Primary biodegradation Inoculum: activated sludge Result: Not rapidly biodegradabl Biodegradation: 31 % Exposure time: 28 d Method: OECD Test Guideline 3 	
Benze	namine, N-phenyl-,	reaction products with 2,4,4-trimethy	ylpentene:
Biodeç	gradability	: aerobic Inoculum: activated sludge Result: Not rapidly biodegradabl Biodegradation: 1 % Exposure time: 28 d Method: OECD Test Guideline 3 GLP: yes	
Bioac	cumulative potentia	ıl	
<u>Produ</u>	<u>ct:</u>		
Bioaco	cumulation	: Remarks: This mixture contains be persistent, bioaccumulating a This mixture contains no substa persistent and very bioaccumula	and toxic (PBT). nce considered to be very
<u>Comp</u>	onents:		
	mineral oil (petrole	um):	
	on coefficient: n- ol/water	: Pow: > 6	
Benze	namine, N-phenyl-,	reaction products with 2,4,4-trimethy	vlpentene:
Partitic	on coefficient: n- ol/water	: log Pow: > 5	
Mobili	ty in soil		
<u>Produ</u>	<u>ct:</u>		
			a brand of





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Γ	Mobility	ý	:	Remarks: No data available	
		ution among Imental compartments	:	Remarks: No data available	
(Other a	adverse effects			
F	Produc	<u>ct:</u>			
C	Ozone	Depletion Potential	:	Regulation: 40 CFR Protection of Environ Protection of Stratospheric Ozone - CAA Substances Remarks: This product neither contains, r manufactured with a Class I or Class II O U.S. Clean Air Act Section 602 (40 CFR & B).	Section 602 Class I nor was DS as defined by the
	Additio informa	nal ecological ation	:	No information on ecology is available.	
<u>(</u>	Compo	onents:			
F		mineral oil (petroleur s of PBT and vPvB ment	m): :	Non-classified PBT substance Non-classi	fied vPvB substance

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods		
Waste from residues	:	The product should not be allowed to enter drains, water courses or the soil.
Contaminated packaging	:	Packaging that is not properly emptied must be disposed of as the unused product. Dispose of waste product or used containers according to local regulations.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG Not regulated as a dangerous good IATA-DGR

Not regulated as a dangerous good

IMDG-Code





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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.

National Regulations

49 CFR Not regulated as a dangerous good

Special precautions for user Not applicable

SECTION 15. REGULATORY INFORMATION

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	:	Reproductive toxicity
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.

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B). This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16. OTHER INFORMATION

Further information

Full text of other abbreviations

ACGIH :	USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL :	USA. NIOSH Recommended Exposure Limits
OSHA PO :	USA. Table Z-1-A Limits for Air Contaminants (1989 vacated
	values)





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OSHA	A Z-1	: USA. Occupational Exposure L Limits for Air Contaminants	imits (OSHA) - Table Z-1		
ACGIH / TWA		: 8-hour, time-weighted average			
NIOSH REL / TWA		a a	: Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek		
NIOSH REL / ST		: STEL - 15-minute TWA exposu at any time during a workday	: STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday		
OSH/	A P0 / TWA	: 8-hour time weighted average			
OSH/	A 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 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

Revision Date : 12/14/2022

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Version	Revision Date:	Date of last issue: 10/19/2021	Print Date:
2.0	12/14/2022	Date of first issue: 10/19/2021	12/13/2023

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