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Version 2.0	Revision Date: 12/14/2022	Date of last issue: 10/19/2021 Date of first issue: 10/19/2021	Print Date: 12/13/2023
SECTION	1. IDENTIFICATION		
Prod	uct name	: SEAMER OIL 150P	
Articl	e-No.	: 340325	
Manı	ufacturer or supplier	's details	
Com	pany name of supplier	 Klüber Lubrication NA LP 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 	
	ail address of person onsible for the SDS	: mcm@us.kluber.com Material Compliance Managem	ent
Emei numb	rgency telephone per	: +1-517-545-7070 NCEC	
	ommended use of the	e chemical and restrictions on use : Lubricating oil	
Rest	rictions on use	: Restricted to professional users	5.

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	



Version 2.0	Revision Date: 12/14/2022	Date of last issue: 10/19/2021 Print Date: Date of first issue: 10/19/2021 12/13/2023			
Haza	rd statements	: Suspected of damaging fertility.			
Preca	autionary statements	 Prevention: Obtain special instructions before Do not handle until all safety preca understood. Wear protective gloves/ protective protection. 	autions have been read and		
		Response: IF exposed or concerned: Get me	dical advice/ attention.		
		Storage: Store locked up.			
		Disposal:			
		Dispose of contents/ container to a plant.	an approved waste disposal		
Othe	r hazards				

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





Version 2.0	Revision Date: 12/14/2022		e of last issue: 10/19/2021 e of first issue: 10/19/2021	Print Date: 12/13/2023
			medical attention. In case of contact, immediately flu	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 sw	allowed	:	Move the victim to fresh air. Do NOT induce vomiting. Rinse mouth with water.	
	t important symptoms effects, both acute and yed	:	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





Version 2.0	Revision Date: 12/14/2022		e of last issue: 10/19/2021 e of first issue: 10/19/2021	Print Date: 12/13/2023
conta	ainment and cleaning u	ıp	absorbent material, (e.g. sand, ea vermiculite) and place in containe local / national regulations (see s	er for disposal according to
SECTION	7. HANDLING AND S	STOR	AGE	
Advid	e on safe handling	:	For personal protection see section Smoking, eating and drinking sho application area. Wash hands and face before breach handling the product. Do not get in eyes or mouth or or Do not get on skin or clothing.	ould be prohibited in the aks and immediately after

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.
	Store in accordance with the particular national regulations. Keep in properly labelled containers.

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.





Version 2.0	Revision Date: 12/14/2022		e of last issue: 10/19/2021 e of first issue: 10/19/2021	Print Date: 12/13/2023
Fil	Filter type		Filter type A-P	
Hand protection Material Break through time Protective index		:	Nitrile rubber > 10 min Class 1	
Remarks		:	Wear protective gloves. The break thr amongst other things on the material, type of glove and therefore has to be r case.	the thickness and the
Eye p	Eye protection		Safety glasses with side-shields	
Skin and body protection		:	Choose body protection in relation to i concentration and amount of dangerou the specific work-place.	
Prote	ctive measures	:	The type of protective equipment mus to the concentration and amount of the at the specific workplace.	
Hygie	ene measures	:	Wash face, hands and any exposed shandling.	kin 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





Versic 2.0		Revision Date: 12/14/2022		of last issue: 10/19/2021 of first issue: 10/19/2021	Print Date: 12/13/2023
				Method: open cup	
E	Evapora	ation rate	:	No data available	
F	lamma	bility (solid, gas)	:	Not applicable	
S	Self-igni	tion	:	No data available	
		xplosion limit / Upper pility limit	· :	No data available	
		xplosion limit / Lower pility limit	· :	No data available	
V	/apour	pressure	:	< 0.001 hPa (68 °F / 20 °C)	
R	Relative	vapour density	:	No data available	
R	Relative density		:	0.865 (68 °F / 20 °C) Reference substance: Water The value is calculated	
В	Bulk der	nsity	:	No data available	
S	Solubilit Wate	y(ies) er solubility	:	insoluble	
	Solul	bility in other solvents	s :	No data available	
	Partition	i coefficient: n- water	:	No data available	
A	Auto-ign	ition temperature	:	No data available	
D	Decomp	oosition temperature	:	No data available	
V	/iscosity Visco	y osity, dynamic	:	No data available	
	Visco	osity, kinematic	:	146 mm2/s (104 °F / 40 °C)	
E	Explosiv	ve properties	:	Not explosive	
С	Dxidizin	g properties	:	No data available	
S	Sublima	tion point	:	No data available	

SECTION 10. STABILITY AND REACTIVITY





Version 2.0	Revision Date: 12/14/2022	Date of last issue: 10/19/2021 Date of first issue: 10/19/2021		Print Date: 12/13/2023
Reactivity		:	No hazards to be specially mentione	d.
Chemical stability		:	Stable under normal conditions.	
Possibility of hazardous reactions		:	: No dangerous reaction known under conditions of normal u	
Conditions to avoid		:	No conditions to be specially mentio	ned.
Incompatible materials		:	No materials to be especially mentio	ned.
Hazardous decomposition products		:	No decomposition if stored and appl	ied as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Pr	odu	ct:
_		

Product:		
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.
<u>Components:</u>		
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





Version 2.0	Revision Date: 12/14/2022		e of last issue: 10/19/2021 e of first issue: 10/19/2021	Print Date: 12/13/2023
Acu	te dermal toxicity	:	LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 402 Assessment: The substance or mixture toxicity	has no acute dermal
Skii	n corrosion/irritation			
Pro	duct:			
	narks	:	This information is not available.	
<u>Cor</u>	nponents:			
Whi	ite mineral oil (petrole	um):		
•	sult	:	Rabbit No skin irritation OECD Test Guideline 404 No skin irritation yes	
Ben	zenamine, N-phenyl-,	react	on products with 2,4,4-trimethylpente	ne:
•		::	Rabbit No skin irritation OECD Test Guideline 404 No skin irritation	
Ser	ious eye damage/eye i	rritati	on	
Pro	duct:			
Ren	narks	:	This information is not available.	
Cor	nponents:			
Whi	ite mineral oil (petrole	um):		
	cies	:	Rabbit	
Res		:	No eye irritation	
Ass Met	essment hod		No eye irritation OECD Test Guideline 405	
GLF		:	yes	
Ben	zenamine, N-phenyl-,	react	on products with 2,4,4-trimethylpente	ne:
	cies	:	Rabbit	
Res		:	No eye irritation	
	essment	:	No eye irritation	
Met	hod	:	OECD Test Guideline 405	





sion	Revision Date: 12/14/2022	Date of last issue: 10/19/2021 Date of first issue: 10/19/2021	Print Date: 12/13/2023
Respir	ratory or skin sens	tisation	
<u>Produ</u>	ct:		
Remar		: This information is not ava	ailable.
<u>Comp</u>	onents:		
White	mineral oil (petrol	um):	
Test Ty Specie Assess Method Result GLP	sment d	 Maximisation Test Guinea pig Does not cause skin sens OECD Test Guideline 406 Does not cause skin sens yes 	6
Benze	namine, N-phenyl-	reaction products with 2,4,4-tr	imethylpentene:
Specie	S	: Guinea pig	
Assess		: Did not cause sensitisatio	
Method Result		: OECD Test Guideline 406 : Did not cause sensitisatio	
Germ	cell mutagenicity		
Produ	<u>ct.</u> oxicity in vitro	: Remarks: No data availat	
Genou		. Remarks. No data availat	JIE
Genoto	oxicity in vivo	: Remarks: No data availat	ble
<u>Comp</u>	onents:		
White	mineral oil (petrol	um):	
Genoto	oxicity in vitro	: Test Type: Ames test Method: Mutagenicity (Sa mutation assay) Result: negative GLP: yes	almonella typhimurium - reverse
Germ o Assess	cell mutagenicity - sment	: Tests on bacterial or man mutagenic effects.	nmalian cell cultures did not show
Carcin	ogenicity		
<u>Produ</u>	ct:		





		Dat	e of first issue: 10/19/2021	12/13/2023
<u>Comp</u>	oonents:			
White	e mineral oil (petrole	eum):		
	nogenicity - ssment	:	No evidence of carcinogenicity in a	animal studies.
IARC	nie compe		this product present at levels greater able, possible or confirmed human	
IARC OSH	A No compo		this product present at levels great	er than or equal to 0.1% is
NTP			this product present at levels greaters own or anticipated carcinogen by N	
Repro	oductive toxicity			
Produ	uct:			
Effect	s on fertility	:	Remarks: No data available	
	Effects on foetal development		Remarks: No data available	
<u>Com</u>	oonents:			
White	e mineral oil (petrole	eum):		
	oductive toxicity -	:	- Fertility -	
Asses	ssment		No toxicity to reproduction - Teratogenicity -	
			No effects on or via lactation	
		-	ion products with 2,4,4-trimethylp	pentene:
	oductive toxicity -	:	- Fertility -	
70000	Assessment		Some evidence of adverse effects fertility, based on animal experime	
STOT	- single exposure			
Com	oonents:			
White	e mineral oil (petrole	eum):		
Asses	ssment	:	The substance or mixture is not cla organ toxicant, single exposure.	assified as specific target





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Version 2.0	Revision Date: 12/14/2022		e of last issue: 10/19/2021 e of first issue: 10/19/2021	Print Date: 12/13/2023
STC	T - repeated exposure			
<u>Con</u>	<u>nponents:</u>			
Whi	te mineral oil (petroleu	m):		
Asse	essment	:	The substance or mixture is not clast organ toxicant, repeated exposure.	ssified as specific target
Rep	eated dose toxicity			
Pro	duct:			
Rem	narks	:	This information is not available.	
<u>Con</u>	<u>nponents:</u>			
Whi	te mineral oil (petroleu	m):		
NOA		:	1,800 mg/kg	
Exp	osure time	:	90 d	
Asp	iration toxicity			
Pro	duct:			
This	information is not availa	able.		
<u>Con</u>	nponents:			
Whi	te mineral oil (petroleu	m):		
No a	aspiration toxicity classifi	catio	n	
Furt	her information			
Pro	duct:			
	narks	:	Information given is based on data	on the components and
			the toxicology of similar products.	
ECTIO	N 12. ECOLOGICAL INF	-ORI	MATION	
Eco	toxicity			
Pro	duct:			
Тохі	city to fish	:		
			Remarks: No data available	
	city to daphnia and othe	r:		
0000	atic invortabratas		Pomarke: No data available	

aquatic invertebrates Remarks: No data available





12/14/2022		e of last issue: 10/19/2021 e of first issue: 10/19/2021	Print Date: 12/13/2023
y to algae/aquatic	:	Remarks: No data available	
y to microorganisms	:	Remarks: No data available	
onents:			
mineral oil (petroleu	m):		
y to fish	:	LC50 (Oncorhynchus mykiss (rain Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 20	
y to daphnia and othe c invertebrates	r :	EC50 (Daphnia (water flea)): > 10 Exposure time: 48 h Test Type: Immobilization Method: OECD Test Guideline 20	-
y to daphnia and other c invertebrates ic toxicity)	r:	NOEC (Daphnia magna (Water fl Exposure time: 21 d	ea)): >= 1,000 mg/l
namine N-nhenyl- r	eacti	on products with 2 4 4-trimethyl	nentene:
y to fish	:	LC50 (Danio rerio (zebra fish)): > Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 20	100 mg/l
y to daphnia and othe c invertebrates	r:	EC50 (Daphnia magna (Water fle Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 20	
y to algae/aquatic	:	EC50 (Desmodesmus subspicatu Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 20	
	y to microorganisms onents: mineral oil (petroleu y to fish y to daphnia and othe c invertebrates ic toxicity) namine, N-phenyl-, r y to fish y to daphnia and othe c invertebrates	y to microorganisms : onents: mineral oil (petroleum): y to fish : y to daphnia and other : c invertebrates ic toxicity) namine, N-phenyl-, reacti y to fish : y to daphnia and other : c invertebrates ic toxicity)	Remarks: No data available y to microorganisms : Remarks: No data available onents: mineral oil (petroleum): y to fish : LC50 (Oncorhynchus mykiss (raid Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 20 y to daphnia and other : c invertebrates : iv to daphnia and other : c invertebrates : vic to daphnia and other : c invertebrates : ic toxicity) : namine, N-phenyl-, reaction products with 2,4,4-trimethyl y to fish : LC50 (Daphnia magna (Water flexible)): > Exposure time: 21 d static test Method: OECD Test Guideline 20 y to fish : LC50 (Danio rerio (zebra fish)): > Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 20 y to daphnia and other c invertebrates c invertebrates y to daphnia and other c invertebrates t LC50 (Daphnia magna (Water flexible)

Product:

Biodegradability	:	Remarks: No data available
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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
	co-chemical vability	: Remarks: No data available	
<u>Com</u>	ponents:		
White	e mineral oil (petrole	eum):	
Biode	gradability	 Primary biodegradation Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradation: 31 % Exposure time: 28 d Method: OECD Test Guideline 3 	
Benz	enamine, N-phenyl-	, reaction products with 2,4,4-trimethy	Ipentene:
Biode	gradability	: aerobic Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradation: 1 % Exposure time: 28 d Method: OECD Test Guideline 3 GLP: yes	
Bioad	ccumulative potenti	al	
Prod			
Bioac	cumulation	: Remarks: This mixture contains in be persistent, bioaccumulating a This mixture contains no substar persistent and very bioaccumula	nd toxic (PBT). nce considered to be very
<u>Com</u>	ponents:		
	e mineral oil (petrol	•	
	ion coefficient: n- ol/water	: Pow: > 6	
Benz	enamine, N-phenyl-	, reaction products with 2,4,4-trimethy	Ipentene:
	ion coefficient: n- ol/water	: log Pow: > 5	
Mobi	lity in soil		
Prod	uct:		
		13 / 17	a brand of





Versie 2.0	on	Revision Date: 12/14/2022		e of last issue: 10/19/2021 e of first issue: 10/19/2021	Print Date: 12/13/2023
ľ	Mobility	/	:	Remarks: No data available	
		ution among Imental compartments	:	Remarks: No data available	
(Other a	adverse effects			
Ē	Produc	<u>st:</u>			
(Ozone∙	Depletion Potential	:	Regulation: 40 CFR Protection of Enviror Protection of Stratospheric Ozone - CAA Substances Remarks: This product neither contains, manufactured with a Class I or Class II O U.S. Clean Air Act Section 602 (40 CFR 4 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	n): :	Non-classified PBT substance Non-class	ified 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





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

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 P0 :	:	USA. Table Z-1-A Limits for Air Contaminants (1989 vacated
		values)





Version 2.0	Revision Date: 12/14/2022	Date of last issue: 10/19/2021 Date of first issue: 10/19/2021	Print Date: 12/13/2023		
OSHA	A Z-1	: USA. Occupational Exposure Li Limits for Air Contaminants	mits (OSHA) - Table Z-1		
ACGIH / TWA		: 8-hour, time-weighted average			
NIOSH REL / TWA		: Time-weighted average concen workday during a 40-hour work			
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		
OSHA	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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