### SAFETY DATA SHEET - CA



# **DMO-46**

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### **SECTION 1. IDENTIFICATION**

Product name	:	DMO-46
Article-No.	:	340382
Other means of identification	:	No data available
Manufacturer or supplier's o	deta	nils
Company 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

E-mail address of person responsible for the SDS	:	mcm@us.kluber.com Material Compliance Management
Emergency telephone number	:	+1-517-545-7070 NCEC
Recommended use of the c	hen :	nical and restrictions on use Lubricating oil

# **SECTION 2. HAZARDS IDENTIFICATION**

GHS classification in accordance with the Hazardous Products Regulations				
Reproductive toxicity	: Category 2			

: Restricted to professional users.

# **GHS** label elements

Restrictions on use

Hazard pictograms



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Signal word
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Hazar	d statements	:	Suspected of damaging fertility. Su unborn child.	spected of damaging the
Preca	utionary statements	:	Prevention:	
			Obtain special instructions before u Do not handle until all safety preca understood. Wear protective gloves/ protective protection.	utions have been read and
			Response:	
			IF exposed or concerned: Get med	ical advice/ attention.
			Storage:	
			Store locked up.	
			Disposal:	
			Dispose of contents/ container to a plant.	n approved waste disposal

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

: Mixture

: ester oil

Chemical nature

### Components

Chemical name	Common Name/Synonym	CAS-No.	Concentration (% w/w)
White mineral oil (petroleum)	White mineral oil (petroleum)	8042-47-5	Trade secret** (>= 1 - < 5 *)
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil- based; Baseoil — unspecified	72623-86-0	Trade secret** (>= 1 - < 5 *)
Benzenamine, N- phenyl-, reaction products with 2,4,4- trimethylpentene	Benzenamine, N-phenyl-, reaction products with 2,4,4- trimethylpenten	68411-46-1	Trade secret** (>= 1 - < 5 *)





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	е		
triphenylthiophosphate and tertiary butylated phenyl derivatives	reaction mass of: triphenylthiopho sphate and tertiary butylated phenyl derivatives	192268-65-8	Trade secret** (>= 0.1 - < 1 *)

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

\*\* See Section 15 for HMIRA information.

#### **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 unconscious, place in recovery position and seek medical advice. Keep respiratory tract clear. If breathing is irregular or stopped, administer artificial respiration.
In case of skin contact	:	Take off all contaminated clothing immediately. Get medical attention immediately if irritation develops and persists. Wash clothing before reuse. Thoroughly clean shoes before reuse. Wash off immediately with plenty of water.
In case of eye contact	:	Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes. If eye irritation persists, consult a specialist.
If swallowed	:	Move the victim to fresh air. If unconscious, place in recovery position and seek medical advice. Keep respiratory tract clear. Do NOT induce vomiting. Obtain medical attention. Rinse mouth with water. Never give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed	:	No information available. None known.
Notes to physician	:	No information available.





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#### **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. Ensure adequate ventilation. Do not breathe vapours or spray mist. 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 containment and cleaning up	:	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

#### SECTION 7. HANDLING AND STORAGE

Advice on safe handling :	Do not breathe vapours or spray mist. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Wash hands and face before breaks and immediately after handling the product.
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Condit	ions for safe storage	Do not get in eyes or mouth or on sk Do not get on skin or clothing. Do not ingest. Do not repack. Do not re-use empty containers. These safety instructions also apply may still contain product residues. Keep container closed when not in u Store in original container. Keep container closed when not in u Keep in a dry, cool and well-ventilate Containers which are opened must k kept upright to prevent leakage. Store in accordance with the particu Keep in properly labelled containers	to empty packaging which use. ed place. be carefully resealed and lar national regulations.

### 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 (Mist)	5 mg/m3	CA AB OEL (2009-04-30)
		STEL (Mist)	10 mg/m3	CA AB OEL (2009-04-30)
		TWAEV (Mist)	5 mg/m3	CA QC OEL (2012-11-28)
		STEV (Mist)	10 mg/m3	CA QC OEL (2012-11-28)
		TWA (Mist)	1 mg/m3	CA BC OEL (2012-04-20)
		TWA (Mist)	1 mg/m3	CA BC OEL (2021-01-04)
		TWA (Inhalable particulate matter)	5 mg/m3	ACGIH (2013-03-01)
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	72623-86-0	TWA (Mist)	5 mg/m3	CA AB OEL (2009-04-30)
		STEL (Mist)	10 mg/m3	CA AB OEL (2009-04-30)
		TWAEV (Mist)	5 mg/m3	CA QC OEL (2012-11-28)
		STEV (Mist)	10 mg/m3	CA QC OEL





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		(2012-11-28)
TWA (Mist)	1 mg/m3	CA BC OEL (2021-01-04)
TWA (Inhalable particulate matter)	5 mg/m3	ACGIH (2013-03-01)

**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.
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 through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case.
Eye protection	:	Safety glasses with side-shields
Skin and body protection	:	Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
Protective measures	:	The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Hygiene measures	:	Wash face, hands and any exposed skin thoroughly after handling.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	colourless
Odour	:	mild





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	Odour	Threshold	:	No data available	
	pН		:	Not applicable	
	Melting	point/range	:	No data available	
	Boiling	point/boiling range	:	No data available	
	Flash p	point	:	252 °C	
				Method: Cleveland open cup	
	Evapor	ation rate	:	No data available	
	Flamm	ability (solid, gas)	:	Not applicable	
	Self-igr	nition	:	No data available	
		explosion limit / Upper ability limit	· :	No data available	
		explosion limit / Lower ability limit	· :	No data available	
	Vapour	pressure	:	< 0.001 hPa (20 °C)	
	Relativ	e vapour density	:	No data available	
	Relativ	e density	:	0.930 (20 °C) Reference substance: Water The value is calculated	
	Bulk de	ensity	:	No data available	
	Solubil Wat	ity(ies) ter solubility	:	insoluble	
	Solu	ubility in other solvents	<b>s</b> :	No data available	
	Partitio octano	n coefficient: n- I/water	:	No data available	
	Auto-ig	nition temperature	:	No data available	
	Decom	position temperature	:	No data available	
	Viscosi Visc	ity cosity, dynamic	:	No data available	





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Vi	iscosity, kinematic	: 46 mm2/s ( 40 °C)	
Explo	osive properties	: Not explosive	
Oxidi	zing properties	: No data available	
Subli	mation point	: No data available	

#### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No hazards to be specially mentioned.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use.
Conditions to avoid	:	No conditions to be specially mentioned.
Incompatible materials	:	No materials to be especially mentioned.
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

### SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity		
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 (petroleur	n):	
Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg Method: OECD Test Guideline 401
Acute inhalation toxicity	:	LC50 (Rat): > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Assessment: The substance or mixture has no acute





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		in	nalation toxicity	
Acute	e dermal toxicity	M As	050 (Rabbit): > 2,000 mg/kg ethod: OECD Test Guideline 40 ssessment: The substance or m xicity	
Lubri	icating oils (petrole	um), C15-:	30, hydrotreated neutral oil-b	ased:
Acute	e oral toxicity	Μ	050 (Rat): > 5,000 mg/kg ethod: OECD Test Guideline 40 LP: yes	01
Acute	e dermal toxicity	М	050 (Rabbit): > 5,000 mg/kg ethod: OECD Test Guideline 4( LP: yes	02
Benz	enamine, N-phenyl	, reaction	products with 2,4,4-trimethy	Ipentene:
Acute	e oral toxicity		050 (Rat): > 5,000 mg/kg ethod: OECD Test Guideline 40	01
Acute	e dermal toxicity	M As	050 (Rat): > 2,000 mg/kg ethod: OECD Test Guideline 40 ssessment: The substance or m xicity	
react	ion mass of: triphe	nylthiopho	osphate and tertiary butylated	d phenyl derivatives:
Acute	e oral toxicity	M G As	D50 (Rat): > 2,000 mg/kg ethod: EC Directive 92/69/EEC LP: yes ssessment: The substance or m xicity	
Acute	e dermal toxicity	: L[	050 (Rat): > 2,000 mg/kg ethod: OECD Test Guideline 40	12
		G As	LP: yes seessment: The substance or m xicity	
Skin	corrosion/irritation			
Prod	uct:			
Rema		: Tł	nis information is not available.	
<u>Com</u>	ponents:			
	e mineral oil (petrol	eum):		
Speci Asse	ies ssment		abbit o skin irritation	
			0 / 04	a brand of





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Meth	od	: OECD Test Guideline 404	
Resu	llt	: No skin irritation	
GLP		: yes	
Benz	zenamine, N-phenyl-	, reaction products with 2,4,4-trimethylpe	entene:
Spec	ies	: Rabbit	
Asse	ssment	: No skin irritation	
Meth	od	: OECD Test Guideline 404	
Resu	lt	: No skin irritation	
react	tion mass of: tripher	ylthiophosphate and tertiary butylated p	henyl derivatives:
Spec	ies	: Rabbit	
•	ssment	: No skin irritation	
Meth	od	: Tested according to Directive 92/69	/EEC.
Resu	llt	: No skin irritation	
GLP		: yes	
Serio	ous eye damage/eye	irritation	
<u>Prod</u>	<u>uct:</u>		
Rema	arks	: This information is not available.	
<u>Com</u>	ponents:		
White	e mineral oil (petrole	eum):	
Spec		: Rabbit	
Resu		: No eye irritation	
	ssment	: No eye irritation	
Meth	od	: OECD Test Guideline 405	
GLP		: yes	
Benz	enamine, N-phenyl-	, reaction products with 2,4,4-trimethylpe	entene:
Spec		: Rabbit	
Resu		: No eye irritation	
	ssment	: No eye irritation	
Meth	od	: OECD Test Guideline 405	
raaat	tion mass of: tripher	ylthiophosphate and tertiary butylated p	henyl derivatives:
react	ies	: Rabbit	
		: No eye irritation	
Spec Resu	lt		
Spec Resu	ılt ssment	: No eye irritation	
Spec Resu	ssment	<ul> <li>No eye irritation</li> <li>Tested according to Directive 92/69</li> </ul>	)/EEC.
Spec Resu Asse	ssment		)/EEC.
Spec Resu Asse Methe	ssment	: Tested according to Directive 92/69	)/EEC.







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Respi	ratory or skin sens	itisation	
Produ			
Rema	rks	: This information is not available	9.
Comp	onents:		
White	mineral oil (petrol	eum):	
Test T	уре	: Buehler Test	
Specie	es	: Guinea pig	
Asses	sment	: Does not cause skin sensitisati	on.
Metho	d	: OECD Test Guideline 406	
Result	t	: Does not cause skin sensitisati	on.
GLP		: yes	
Benze	enamine, N-phenyl	, reaction products with 2,4,4-trimeth	ylpentene:
Specie	es	: Guinea pig	
•	sment	: Did not cause sensitisation on I	laboratory animals.
Metho		: OECD Test Guideline 406	,
Result		: Did not cause sensitisation on I	laboratory animals.
Metho Result	sment d	<ul> <li>Maximisation Test</li> <li>Guinea pig</li> <li>Does not cause skin sensitisati</li> <li>Tested according to Directive 9</li> <li>Does not cause skin sensitisati</li> </ul>	2/69/EEC.
GLP		: yes	
Germ	cell mutagenicity		
Produ			
	oxicity in vitro	: Remarks: No data available	
Genot	oxicity in vivo	: Remarks: No data available	
<u>Comp</u>	onents:		
	mineral oil (petrol	•	
	cell mutagenicity - sment	: Tests on bacterial or mammalia mutagenic effects.	an cell cultures did not show
reacti	on mass of: triphe	nylthiophosphate and tertiary butylat	ed phenyl derivatives:
Genot	oxicity in vitro	: Test Type: Chromosome aberry Test system: Chinese hamster Metabolic activation: with and v Method: Mutagenicity (in vitro r Result: negative	fibroblasts without metabolic activation
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ersion Revision Date: 1 2022-09-08 Germ cell mutagenicity -		e of last issue: 2021-10-18 e of first issue: 2021-10-18	Print Date: 2022-09-08
<b>-</b>			
• •		GLP: yes	
Assessment	:	Animal testing did not show any m	iutagenic effects.
Carcinogenicity			
Product:			
Remarks	:	No data available	
Components:			
White mineral oil (petrole	eum):		
Carcinogenicity - Assessment	:	No evidence of carcinogenicity in a	animal studies.
Reproductive toxicity			
Product:			
Effects on fertility	:	Remarks: No data available	
Effects on foetal development	:	Remarks: No data available	
Components:			
White mineral oil (petrole	eum):		
Reproductive toxicity -	:	- Fertility -	
Assessment		No toxicity to reproduction - Teratogenicity -	
		No effects on or via lactation	
Benzenamine, N-phenyl-	, react	ion products with 2,4,4-trimethylp	centene:
Reproductive toxicity -	:	- Fertility -	
Assessment		Some evidence of adverse effects fertility, based on animal experime	
reaction mass of: tripher	nylthio	phosphate and tertiary butylated	phenyl derivatives:
Effects on foetal	:	Species: Rat	
development		Application Route: Oral General Toxicity Maternal: NOAEI	L: 150 mg/kg body weight
		Developmental Toxicity: NOAEL:	150 mg/kg body weight
		Symptoms: Skeletal malformation: Target Organs: Skeleton	5
		Method: OECD Test Guideline 41	
		Result: Embryotoxic effects and a offspring were detected.	averse effects on the
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	oductive toxicity -	:	- Fertility -	
Asses	Assessment		Some evidence of adverse effects animal experiments.	on development, based o
стот	- 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
STOT	- repeated exposur	е		
Com	oonents:			
White	e mineral oil (petrole	eum):		
Asses	ssment	:	The substance or mixture is not cla organ toxicant, repeated exposure	
Repe	ated dose toxicity			
Prod	uct:			
Rema	arks	:	This information is not available.	
Com	oonents:			
react	ion mass of: triphen	ylthic	phosphate and tertiary butylated	phenyl derivatives:
Speci		:	Rat	
NOAE	=∟ cation Route		50 mg/kg Oral	
	sure time	:	28 d	
Metho	bd	:	OECD Test Guideline 407	
Aspir	ation toxicity			
Prod	uct:			
This i	nformation is not avai	ilable.		
<u>Com</u>	oonents:			
White	e mineral oil (petrole	eum):		
May b	be fatal if swallowed a	and en	ters airways.	
Lubri	cating oils (petroleu	ım). C	15-30, hydrotreated neutral oil-ba	sed:
	be fatal if swallowed a		· •	



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### **Further information**

#### Product:

Remarks

: Information given is based on data on the components and the toxicology of similar products.

#### **SECTION 12. ECOLOGICAL INFORMATION**

Ecotoxicity	
<u>Product:</u> Toxicity to fish	Remarks: No data available
Toxicity to daphnia and other aquatic invertebrates	: Remarks: No data available
Toxicity to algae/aquatic plants	: Remarks: No data available
Toxicity to microorganisms	Remarks: No data available
<u>Components:</u>	
White mineral oil (petroleum): Toxicity to fish	: LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l Exposure time: 96 h Test Type: semi-static test Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	: LC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	<ul> <li>NOEC (Pseudokirchneriella subcapitata (green algae)): &gt; 100 mg/l</li> <li>Exposure time: 72 h</li> <li>Method: OECD Test Guideline 201</li> </ul>
Toxicity to fish (Chronic toxicity)	<ul> <li>NOEC (Oncorhynchus mykiss (rainbow trout)): &gt; 100 mg/l</li> <li>Exposure time: 28 d</li> <li>Remarks: The value is given based on a SAR/AAR approach</li> </ul>





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				using OECD Toolbox, DEREK, VEGA QS (CAESAR models), etc.	AR models
а	quatic	to daphnia and other invertebrates c toxicity)	:	NOEC (Daphnia magna (Water flea)): >= Exposure time: 21 d Remarks: The value is given based on a S using OECD Toolbox, DEREK, VEGA QS (CAESAR models), etc.	SAR/AAR approach
т	oxicity	to microorganisms	:	LC50 (Bacteria): > 1,000 mg/l Exposure time: 40 h Test Type: Growth inhibition	
В	Benzen	amine, N-phenyl-, re	eacti	on products with 2,4,4-trimethylpentene	•:
		to fish	:	LC50 (Danio rerio (zebra fish)): > 100 mg, Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203	
		to daphnia and other invertebrates	:	EC50 (Daphnia magna (Water flea)): 51 n Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202	ng/l
	oxicity lants	to algae/aquatic	:	EC50 (Desmodesmus subspicatus (green Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201	algae)): > 100 mg/l
	eactio	n mass of: trinhenvl	thior	phosphate and tertiary butylated phenyl	derivatives
		to fish	:	LC50 (Danio rerio (zebra fish)): > 100 mg, Exposure time: 96 h Test Type: semi-static test Method: OECD Test Guideline 203 GLP: yes	
		to daphnia and other invertebrates	:	EC50 (Daphnia magna (Water flea)): > 10 Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202 GLP: yes	ı0 mg/l





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Toxicity to algae/aquatic plants		:	EC50 (Desmodesmus subspicatus Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201 GLP: yes	(green algae)): > 100 mg/l
			NOEC (Desmodesmus subspicatus Exposure time: 72 h Method: OECD Test Guideline 201	s (green algae)): > 100 mg/l
aquati	ty to daphnia and other ic invertebrates nic toxicity)	r :	NOEC (Daphnia magna (Water flea Exposure time: 21 d Test Type: Reproduction Test Method: OECD Test Guideline 211 GLP: yes	a)): > 5.5 mg/l
Toxici	ty to microorganisms	:	EC20 (activated sludge): 403 mg/l Exposure time: 3 h Test Type: static test Method: OECD Test Guideline 209 GLP: yes	
	<b>exicology Assessmen</b> ic aquatic toxicity	t :	May cause long lasting harmful effe	ects to aquatic life.
Persis	stence and degradabi	ility		
<b>Produ</b> Biode	<u>ıct:</u> gradability	:	Remarks: No data available	
	co-chemical ⁄ability	:	Remarks: No data available	
<u>Comp</u>	oonents:			
White	mineral oil (petroleu	m):		
	gradability	:	Biodegradation: 31 % Exposure time: 28 d	
	<b>cating oils (petroleum</b> gradability	<b>ז), C</b> ′ :	<b>15-30, hydrotreated neutral oil-bas</b> aerobic Inoculum: activated sludge	ed:





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		Result: Not readily biodegradable.	
		Biodegradation: 31 %	
		Exposure time: 28 d	
		GLP: yes	
Benz	enamine N-nhenvl	-, reaction products with 2,4,4-trimethylp	entene:
	egradability	: aerobic	
Diouc	gradability	Inoculum: activated sludge	
		Result: Not rapidly biodegradable	
		Biodegradation: 1 %	
		Exposure time: 28 d	
		Method: OECD Test Guideline 301	В
		GLP: yes	
react	ion mass of: trinhe	nylthiophosphate and tertiary butylated	nhenvl derivatives:
	egradability	: anaerobic	
	J	Result: Not rapidly biodegradable	
		Biodegradation: 0 %	
		Exposure time: 28 d	
		Method: OECD Test Guideline 301	D
		GLP: yes	
Ξ.	oumulative notont	ial	
Bioad	ccumulative potent		
	-		
Prod	uct:	· Pomarks: This mixture contains no	substance considered
Prod	-	: Remarks: This mixture contains no	
Prod	uct:	be persistent, bioaccumulating and	toxic (PBT).
Prod	uct:		I toxic (PBT). e considered to be very
<u>Prod</u> u Bioac	uct: coumulation	be persistent, bioaccumulating and This mixture contains no substance	I toxic (PBT). e considered to be very
<u>Prode</u> Bioac	uct: coumulation ponents:	be persistent, bioaccumulating and This mixture contains no substance persistent and very bioaccumulatin	I toxic (PBT). e considered to be very
<u>Produ</u> Bioac <u>Com</u> j White	uct: ccumulation ponents: e mineral oil (petrol	be persistent, bioaccumulating and This mixture contains no substance persistent and very bioaccumulatin	I toxic (PBT). e considered to be very
<u>Produ</u> Bioac <b>Comj</b> White Partit	uct: ccumulation ponents: e mineral oil (petrol	be persistent, bioaccumulating and This mixture contains no substance persistent and very bioaccumulatin	I toxic (PBT). e considered to be very
Prode Bioac Com White Partiti octan Benz	uct: coumulation ponents: e mineral oil (petrol ion coefficient: n- iol/water	be persistent, bioaccumulating and This mixture contains no substance persistent and very bioaccumulatin <b>eum):</b> : log Pow: > 6 -, reaction products with 2,4,4-trimethylp	I toxic (PBT). e considered to be very ng (vPvB).
Produ Bioac Bioac Com White Partiti octan Benz Partiti	uct: ccumulation ponents: e mineral oil (petrol ion coefficient: n- iol/water	<ul> <li>be persistent, bioaccumulating and This mixture contains no substance persistent and very bioaccumulatin</li> <li>eum):</li> <li>i log Pow: &gt; 6</li> </ul>	I toxic (PBT). e considered to be very ng (vPvB).
Produ Bioac Dioac Comj White Partiti octan Partiti octan	uct: ccumulation ponents: e mineral oil (petrol ion coefficient: n- iol/water eenamine, N-phenyl ion coefficient: n- iol/water	be persistent, bioaccumulating and This mixture contains no substance persistent and very bioaccumulatin <b>eum):</b> : log Pow: > 6 -, reaction products with 2,4,4-trimethylp	toxic (PBT). e considered to be very g (vPvB).





ion Revision Date 2022-09-08			Print Date: 2022-09-08
Partition coefficient: n octanol/water	<b>)-</b> :	log Pow: 4.8 - 7.0 (22 °C) pH: 6.7 Method: OECD Test Guideline 117 GLP: yes	,
Mobility in soil			
<u>Product:</u> Mobility	:	Remarks: No data available	
Distribution among	: artments	Remarks: No data available	
Other adverse effect	ts		
<u>Product:</u> Additional ecological information	:	No information on ecology is availa	able.
Components:			
	-	This substance is not considered to bioaccumulating and toxic (PBT).	o be persistent,
reaction mass of: tri	iphenylthio	phosphate and tertiary butylated	phenyl derivatives:
Results of PBT and v assessment	PvB :	Non-classified PBT substance Non	n-classified vPvB substanc
	2022-09-08 Partition coefficient: r octanol/water Mobility in soil <u>Product:</u> Mobility Distribution among environmental compa Other adverse effec: <u>Product:</u> Additional ecological information <u>Components:</u> White mineral oil (por Results of PBT and v assessment reaction mass of: tri	2022-09-08DatePartition coefficient: n- octanol/water:Mobility in soilProduct: Mobility:Mobility in soil:Product: Mobility:Mobility:Distribution among environmental compartments:Other adverse effectsProduct: Additional ecological informationComponents: White mineral oil (petroleum): Results of PBT and vPvB assessment:reaction mass of: triphenylthio	2022-09-08       Date of first issue: 2021-10-18         Partition coefficient: n- octanol/water       :       log Pow: 4.8 - 7.0 (22 °C) pH: 6.7 Method: OECD Test Guideline 117 GLP: yes         Mobility in soil       Product: Mobility       :       Remarks: No data available         Distribution among environmental compartments       :       Remarks: No data available         Other adverse effects       :       Remarks: No data available         Product: Mobilitional ecological information       :       No information on ecology is availating         Components: White mineral oil (petroleum): Results of PBT and vPvB assessment       :       This substance is not considered to bioaccumulating and toxic (PBT).

Waste from residues :	The product should not be allowed to enter drains, water courses or the soil. Do not dispose of with domestic refuse. Dispose of as hazardous waste in compliance with local and national regulations.
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.







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#### **SECTION 14. TRANSPORT INFORMATION**

#### **International Regulations**

**UNRTDG** Not regulated as a dangerous good

IATA-DGR Not regulated as a dangerous good

#### IMDG-Code

Not regulated as a dangerous good

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

Not applicable for product as supplied.

#### **National Regulations**

**TDG** Not regulated as a dangerous good

Special precautions for user

Not applicable

### **SECTION 15. REGULATORY INFORMATION**

#### NPRI Components : Solvent naphtha (petroleum), heavy arom.

#### **Canadian lists**

No substances are subject to a Significant New Activity Notification.

No substances are subject to a Significant New Activity Notification.

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

### Full text of other abbreviations

ACGIH CA AB OEL		USA. ACGIH Threshold Limit Values (TLV) Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
CA BC OEL CA QC OEL	-	Canada. British Columbia OEL Québec. Regulation respecting occupational health and
		safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
ACGIH / TWA	:	8-hour, time-weighted average
CA AB OEL / TWA	:	8-hour Occupational exposure limit
CA AB OEL / STEL	:	15-minute occupational exposure limit
CA BC OEL / TWA	:	8-hour time weighted average
CA QC OEL / TWAEV	:	Time-weighted average exposure value
CA QC OEL / STEV	:	Short-term exposure value





- CA

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AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO -International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO -International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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