

LUDI	EAIR FG-22			
Versic 2.0	on Revision Date: 2022-12-20		e of last issue: 2021-10-20 e of first issue: 2021-10-20	Print Date: 2022-12-21
SECT	ION 1. IDENTIFICATION			
Р	Product name	:	LUBEAIR FG-22	
А	Article-No.	:	340243	
C	Other means of identification	:	No data available	
N	lanufacturer or supplier's	deta	ils	
C	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	
	-mail address of person esponsible for the SDS	:	mcm@us.kluber.com Material Compliance Management	
	mergency telephone number	:	+1-517-545-7070 NCEC	
R	Recommended use of the o	chen	nical and restrictions on use	
R	Recommended use	:	Lubricating oil	
R	Restrictions on use	:	Restricted to professional users.	

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the Hazardous Products Regulations

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





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Haza	rd statements	: Suspected of damaging fertility.	
Preca	uutionary 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 mer Storage: Store locked up.	dical advice/ attention.
		Disposal: Dispose of contents/ container to a plant.	an approved waste disposal
Other	r hazards		

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature : Mineral oil.

Components

Chemical name	Common Name/Synonym	CAS-No.	Concentration (% w/w)
White mineral oil (petroleum)	White mineral oil (petroleum)	8042-47-5	Trade secret** (>= 60 - < 80 *)
White mineral oil (petroleum)	White mineral oil (petroleum)	8042-47-5	Trade secret** (>= 30 - < 60 *)
Benzenamine, N- phenyl-, reaction products with 2,4,4- trimethylpentene	Benzenamine, N-phenyl-, reaction products with 2,4,4- trimethylpenten e	68411-46-1	Trade secret** (>= 0.1 - < 1 *)

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





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lf inh	aled	Rer mee Kee If ui adv Kee If bi	ain medical attention. nove person to fresh air. If signs/sym dical attention. ep patient warm and at rest. nconscious, place in recovery positio ice. ep respiratory tract clear. reathing is irregular or stopped, admi piration.	n and seek medical
In ca	se of skin contact	me In c Wa	nove contaminated clothing. If irritati dical attention. ase of contact, immediately flush ski sh clothing before reuse. vroughly clean shoes before reuse.	
In ca	ise of eye contact	for	se immediately with plenty of water, at least 10 minutes. /e irritation persists, consult a specia	
lf sw	allowed	lf u adv Kee Do Rin	ve the victim to fresh air. Inconscious, place in recovery positio ice. Pp respiratory tract clear. NOT induce vomiting. se mouth with water. ver give anything by mouth to an unc	
	t important symptoms effects, both acute and yed		information available. ne 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
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





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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. Refer to protective measures listed in sections 7 and 8.
Environmental precautions	:	Do not allow contact with soil, surface or ground water. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
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	 Avoid inhalation of vapour or 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. Do not get in eyes or mouth or on skin. Do not get on skin or clothing. Do not get on skin or clothing. Do not repack. Do not repack. Do not re-use empty containers. These safety instructions also apply to empty packaging which may still contain product residues. Keep container closed when not in use.
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.





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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)
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)

Engineering measures

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

Personal protective equipment

Filter type : Filter type A-P

Hand protection





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Bi	aterial reak through time rotective index	:	Nitrile rubber > 10 min Class 1	
Remarks		:	Wear protective gloves. The break throug amongst other things on the material, the type of glove and therefore has to be me case.	thickness and the
Eye p	protection	:	Safety glasses with side-shields	
Skin and body protection		:	Choose body protection in relation to its concentration and amount of dangerous the specific work-place.	
Prote	ective measures	:	The type of protective equipment must be to the concentration and amount of the d at the specific workplace.	
Hygie	ene measures	:	Wash face, hands and any exposed skin handling.	thoroughly after

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	yellow
Odour	:	mild, hydrocarbon-like
Odour Threshold	:	No data available
рН	:	Not applicable
Melting point/range	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	>= 155 °C
		Method: open cup
Evaporation rate	:	No data available





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	Flamm	ability (solid, gas)	:	Not applicable	
	Self-ignition		:	No data available	
		explosion limit / Upper ability limit	:	No data available	
		explosion limit / Lower ability limit	:	No data available	
	Vapou	rpressure	:	< 0.001 hPa (20 °C)	
	Relativ	e vapour density	:	No data available	
	Relative density		:	0.850 (20 °C) Reference substance: Water The value is calculated	
	Bulk de	ensity	:	No data available	
	Solubili Wat	ity(ies) ter solubility	:	insoluble	
	Solu	ubility in other solvents	5 :	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	
	Viscosity Viscosity, dynamic		:	No data available	
	Viso	cosity, kinematic	:	22.3 mm2/s (40 °C)	
	Explosi	ive properties	:	Not explosive	
	Oxidizi	ng properties	:	No data available	
	Sublim	ation point	:	No data available	

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No hazards to be specially mentioned.	
Chemical stability	: Stable under normal conditions.	





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Poss react	ibility of hazardous ions	:	No dangerous reaction known un	der conditions of normal use.
Conditions to avoid		:	No conditions to be specially mer	ntioned.
Incompatible materials		:	No materials to be especially me	ntioned.
Haza prod	ardous decomposition ucts	:	No decomposition if stored and a	pplied as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

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



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Serio	ous eye damage/eye	eirritation	
Prod	uct:		
Rema	arks	: This information is not available.	
<u>Com</u>	ponents:		
White	e mineral oil (petrol	eum):	
Speci	ies	: Rabbit	
Resu	lt	: No eye irritation	
Asses	ssment	: No eye irritation	
Metho	bd	: OECD Test Guideline 405	
GLP		: yes	
White	e mineral oil (petrol	eum):	
Speci	ies	: Rabbit	
Resu	lt	: No eye irritation	
	ssment	: No eye irritation	
Metho	bd	: OECD Test Guideline 405	
GLP		: yes	
Benz	enamine, N-phenyl	-, reaction products with 2,4,4-trimethylp	pentene:
		-, reaction products with 2,4,4-trimethylp	pentene:
Benz Speci Resul	ies	: Rabbit	pentene:
Speci Resul	ies		pentene:
Speci Resul	ies It ssment	: Rabbit : No eye irritation	pentene:
Speci Resul Asses Metho	ies It ssment	 Rabbit No eye irritation No eye irritation OECD Test Guideline 405 	oentene:
Speci Resul Asses Metho	ies It ssment od iratory or skin sens	 Rabbit No eye irritation No eye irritation OECD Test Guideline 405 	entene:
Speci Resul Asses Metho Resp	ies It ssment od i ratory or skin sens <u>uct:</u>	 Rabbit No eye irritation No eye irritation OECD Test Guideline 405 	entene:
Speci Resul Asses Metho Resp <u>Produ</u> Rema	ies It ssment od i ratory or skin sens <u>uct:</u>	 Rabbit No eye irritation No eye irritation OECD Test Guideline 405 	pentene:
Speci Resul Asses Metho Resp <u>Produ</u> Rema	ies It ssment od iratory or skin sens <u>uct:</u> arks	 Rabbit No eye irritation No eye irritation OECD Test Guideline 405 sitisation This information is not available. 	pentene:
Speci Resul Asses Metho Resp Produ Rema Comp White Test	ies It ssment od iratory or skin sens <u>uct:</u> arks <u>ponents:</u> e mineral oil (petrol Type	 Rabbit No eye irritation No eye irritation OECD Test Guideline 405 sitisation This information is not available. 	pentene:
Speci Resul Asses Metho Resp <u>Produ</u> Rema <u>Comp</u> <u>Uhite</u> Speci	ies It ssment od iratory or skin sens <u>uct:</u> arks ponents: e mineral oil (petrol Type ies	 Rabbit No eye irritation No eye irritation OECD Test Guideline 405 sitisation This information is not available. eum): Buehler Test Guinea pig 	
Speci Resul Asses Metho Resp <u>Produ</u> Rema <u>Comp</u> White Test	ies It ssment od iratory or skin sens <u>uct:</u> arks ponents: e mineral oil (petrol Type ies ssment	 Rabbit No eye irritation No eye irritation OECD Test Guideline 405 sitisation This information is not available. eum): Buehler Test Guinea pig Does not cause skin sensitisation. 	
Speci Resul Asses Metho Resp <u>Produ</u> Rema <u>Comp</u> White Test Speci Asses Metho	ies It ssment od iratory or skin sens <u>uct:</u> arks ponents: e mineral oil (petrol Type ies ssment od	 Rabbit No eye irritation No eye irritation OECD Test Guideline 405 sitisation This information is not available. eum): Buehler Test Guinea pig Does not cause skin sensitisation. OECD Test Guideline 406 	
Speci Resul Asses Metho Resp Produ Rema Comp White Test Speci Asses Metho Resul	ies It ssment od iratory or skin sens <u>uct:</u> arks ponents: e mineral oil (petrol Type ies ssment od	 Rabbit No eye irritation No eye irritation OECD Test Guideline 405 sitisation This information is not available. eum): Buehler Test Guinea pig Does not cause skin sensitisation. OECD Test Guideline 406 Does not cause skin sensitisation. 	
Speci Resul Asses Metho Resp <u>Produ</u> Rema <u>Comp</u> White Test Speci Asses Metho	ies It ssment od iratory or skin sens <u>uct:</u> arks ponents: e mineral oil (petrol Type ies ssment od	 Rabbit No eye irritation No eye irritation OECD Test Guideline 405 sitisation This information is not available. eum): Buehler Test Guinea pig Does not cause skin sensitisation. OECD Test Guideline 406 	
Speci Resul Asses Metho Resp <u>Produ</u> Rema <u>Comp</u> White Test ⁻ Speci Asses Metho Resul GLP	ies It ssment od iratory or skin sens <u>uct:</u> arks ponents: e mineral oil (petrol Type ies ssment od	 Rabbit No eye irritation No eye irritation OECD Test Guideline 405 sitisation This information is not available. eum): Buehler Test Guinea pig Does not cause skin sensitisation. OECD Test Guideline 406 Does not cause skin sensitisation. yes 	
Speci Resul Asses Metho Resp Produ Rema Rema Comp White Asses Metho Resul GLP White Test	ies It ssment od iratory or skin sens <u>uct:</u> arks <u>ponents:</u> e mineral oil (petrol Type ies ssment od It e mineral oil (petrol Type	 Rabbit No eye irritation No eye irritation OECD Test Guideline 405 sitisation This information is not available. eum): Buehler Test Guinea pig Does not cause skin sensitisation. OECD Test Guideline 406 Does not cause skin sensitisation. yes 	
Speci Resul Asses Metho Resp Produ Rema Comp White Speci Asses Metho Resul GLP	ies It ssment od iratory or skin sens <u>uct:</u> arks <u>ponents:</u> e mineral oil (petrol Type ies ssment od It e mineral oil (petrol Type	 Rabbit No eye irritation No eye irritation OECD Test Guideline 405 sitisation This information is not available. eum): Buehler Test Guinea pig Does not cause skin sensitisation. OECD Test Guideline 406 Does not cause skin sensitisation. yes eum): Maximisation Test Guinea pig 	
Speci Resul Asses Metho Resp Produ Rema Comp White Test Speci Asses Metho Resul GLP White Test Speci Asses	ies It ssment od iratory or skin sens <u>uct:</u> arks <u>ponents:</u> e mineral oil (petrol Type ies ssment od It e mineral oil (petrol Type ies ssment	 Rabbit No eye irritation No eye irritation OECD Test Guideline 405 sitisation This information is not available. eum): Buehler Test Guinea pig Does not cause skin sensitisation. OECD Test Guideline 406 Does not cause skin sensitisation. yes eum): Maximisation Test Guinea pig Does not cause skin sensitisation. 	
Speci Resul Asses Metho Resp Produ Rema Comp White Test Speci Asses Metho Resul GLP White Test Speci	ies It ssment od iratory or skin sens <u>uct:</u> arks <u>ponents:</u> e mineral oil (petrol Type ies ssment od It E mineral oil (petrol Type ies ssment od	 Rabbit No eye irritation No eye irritation OECD Test Guideline 405 sitisation This information is not available. eum): Buehler Test Guinea pig Does not cause skin sensitisation. OECD Test Guideline 406 Does not cause skin sensitisation. yes eum): Maximisation Test Guinea pig 	



SAFETY DATA SHEET



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GLP		:	yes	
Benz	enamine, N-phenyl-	, reacti	on products with 2,4,4-trimethyl	pentene:
Speci Asses Metho Resu	ssment od	:	Guinea pig Did not cause sensitisation on lab OECD Test Guideline 406 Did not cause sensitisation on lab	
Germ	n cell mutagenicity			
Prod	uct:			
Geno	toxicity in vitro	:	Remarks: No data available	
Geno	otoxicity in vivo	:	Remarks: No data available	
<u>Com</u>	ponents:			
White	e mineral oil (petrole	eum):		
	n cell mutagenicity - ssment	:	Tests on bacterial or mammalian mutagenic effects.	cell cultures did not show
White	e mineral oil (petrol	eum):		
Geno	otoxicity in vitro	:	Test Type: Ames test Method: Mutagenicity (Salmonella mutation assay) Result: negative GLP: yes	a typhimurium - reverse
	n cell mutagenicity - ssment	:	Tests on bacterial or mammalian mutagenic effects.	cell cultures did not show
Carci	inogenicity			
Prod	uct:			
Rema	arks	:	No data available	
<u>Com</u>	ponents:			
	e mineral oil (petrole	eum):		
	nogenicity - ssment	:	No evidence of carcinogenicity in	animal studies.
White	e mineral oil (petrolo	eum):		
	nogenicity - ssment	:	No evidence of carcinogenicity in	animal studies.





LODL				
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Re	productive toxicity			
<u>Pr</u>	oduct:			
Ef	fects on fertility	:	Remarks: No data available	
	fects on foetal velopment	:	Remarks: No data available	
<u>Cc</u>	omponents:			
W	hite mineral oil (petrole	um):		
	Reproductive toxicity - Assessment	:	- Fertility -	
As	sessment		No toxicity to reproduction - Teratogenicity -	
			No effects on or via lactation	
w	hite mineral oil (petrole	um):		
	eproductive toxicity -	:	- Fertility -	
As	sessment		No toxicity to reproduction - Teratogenicity -	
			No effects on or via lactation	
Be	enzenamine, N-phenyl-,	react	ion products with 2,4,4-trimethylp	pentene:
	eproductive toxicity -	:	- Fertility -	
As	sessment		Some evidence of adverse effects fertility, based on animal experime	
ST	OT - single exposure			
<u>Cc</u>	omponents:			
W	hite mineral oil (petrole	um):		
	sessment	:	The substance or mixture is not cla organ toxicant, single exposure.	assified as specific target
w	hite mineral oil (petrole	um):		
As	sessment	:	The substance or mixture is not cla organ toxicant, single exposure.	assified as specific target
ST	OT - repeated exposure	e		
<u>Cc</u>	omponents:			
W	hite mineral oil (petrole	um):		
	sessment		The substance or mixture is not cla organ toxicant, repeated exposure	







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White	e mineral oil (petrol	ım):		
Asse	ssment		or mixture is not clas repeated exposure.	sified as specific target
Repe	ated dose toxicity			
Prod	uct:			
Rema		: This information	n is not available.	
<u>Com</u>	ponents:			
White	e mineral oil (petrol	ım):		
NOA		: 1,800 mg/kg		
Expo	sure time	: 90 d		
Aspi	ration toxicity			
Prod	uct:			
This i	nformation is not ava	able.		
<u>Com</u>	ponents:			
White	e mineral oil (petrol	ım):		
May I	be fatal if swallowed	nd enters airways.		
White	e mineral oil (petrol	ım):		
No as	spiration toxicity class	ication		
Furth	ner information			
Prod	uct:			
Rema	arks	: Information giv	en is based on data c	on the components and
		the toxicology of	of similar products.	
	12. ECOLOGICAL I			
	12. ECOLOGICAL I	FORMATION		
Ecot	oxicity			

Product:

Toxicity to fish

Remarks: Harmful to aquatic organisms.

Toxicity to daphnia and other :

:





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aquatio	c invertebrates		Remarks: No data available	
Toxicit plants	y to algae/aquatic	:	Remarks: No data available	
Toxicit	y to microorganisms	:	Remarks: No data available	
<u>Comp</u>	onents:			
	mineral oil (petroleu y to fish	m): :	LC50 (Oncorhynchus mykiss (rain Exposure time: 96 h Test Type: semi-static test Method: OECD Test Guideline 20	
	y to daphnia and other c invertebrates	r:	LC50 (Daphnia magna (Water flea Exposure time: 48 h Method: OECD Test Guideline 20	
Toxicit plants	y to algae/aquatic	:	NOEC (Pseudokirchneriella subca mg/l Exposure time: 72 h Method: OECD Test Guideline 20	
Toxicit toxicity	y to fish (Chronic /)	:	NOEC (Oncorhynchus mykiss (rai Exposure time: 28 d Remarks: The value is given base using OECD Toolbox, DEREK, VE (CAESAR models), etc.	ed on a SAR/AAR approach
aquatio	ry to daphnia and other c invertebrates nic toxicity)	r :	NOEC (Daphnia magna (Water fle Exposure time: 21 d Remarks: The value is given base using OECD Toolbox, DEREK, VE (CAESAR models), etc.	ed on a SAR/AAR approach
Toxicit	y to microorganisms	:	LC50 (Bacteria): > 1,000 mg/l Exposure time: 40 h Test Type: Growth inhibition	
	mineral oil (petroleu y to fish	m): :	LC50 (Oncorhynchus mykiss (rain	nbow trout)): > 100 mg/l





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Exposure time: 28 d



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White	e mineral oil (petrol	eum):		
Biode	Biodegradability :		Primary biodegradation Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradation: 31 % Exposure time: 28 d Method: OECD Test Guideline 301B	
Benz	enamine, N-phenyl	-, react	ion products with 2,4,4-trimethy	Ipentene:
Biode	egradability	:	aerobic Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradation: 1 % Exposure time: 28 d Method: OECD Test Guideline 3 GLP: yes	
Bioad	ccumulative potent	ial		
<u>Produ</u>	uct:			
Bioaccumulation : Remarks: This mixture contains no substan be persistent, bioaccumulating and toxic (P This mixture contains no substance conside persistent and very bioaccumulating (vPvB)		nd toxic (PBT). nce considered to be very		
<u>Com</u>	ponents:			
Whit€	e mineral oil (petrol	eum):		
	ion coefficient: n- ol/water	:	log Pow: > 6	
White	e mineral oil (petrol	eum):		
	ion coefficient: n- ol/water	:	Pow: > 6	
Benz	enamine, N-phenyl	-, react	ion products with 2,4,4-trimethy	Ipentene:
	ion coefficient: n- ol/water	:	log Pow: > 5	
Mobi	lity in soil			
Produ	uct:			
Mobili	ity	:	Remarks: No data available	
Distri	bution among	:	Remarks: No data available	
			16 / 19	a brand of





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enviro	onmental compartmen	nts		
Othe	r adverse effects			
	<u>uct:</u> ional ecological nation	:	No information on ecology is avai	ilable.
<u>Com</u>	ponents:			
Resu	e mineral oil (petrole Its of PBT and vPvB ssment	-	This substance is not considered bioaccumulating and toxic (PBT).	
Resu	e mineral oil (petrole Its of PBT and vPvB ssment	-	Non-classified PBT substance No	on-classified 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. 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.

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





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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
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: Canadian National Pollutant Release Inventory (NPRI): No component is listed on NPRI.

Canadian lists

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 CA AB OEL / TWA CA AB OEL / STEL CA BC OEL / TWA CA QC OEL / TWAEV CA QC OEL / STEV	:	8-hour, time-weighted average 8-hour Occupational exposure limit 15-minute occupational exposure limit 8-hour time weighted average Time-weighted average exposure value Short-term exposure value

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO -





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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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