

Version	Revision Date:	Date of last issue: -	
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### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	BARRIER FLUID 5
Article-No.	:	340011
Manufacturer or supplier's de	eta	ils
Company name of supplier	:	Klüber Lubrication NA LP 9010 CR 2120 Tyler, Texas 75707 Phone: (903) 534-8021 Fax: (903) 581-4376 32 Industrial Drive Londonderry, NH 03053 Phone: (603) 647-4104 Fax: (603) 647-4106
E-mail address of person responsible for the SDS	:	mcm@us.kluber.com Material Compliance Management
National contact	:	
Emergency telephone number	:	+61 2 8014 4558 (24hrs)
Recommended use of the ch Recommended use	em :	ical and restrictions on use Lubricating oil

Restrictions on use	:	Restricted to professional users.

## **SECTION 2. HAZARDS IDENTIFICATION**

GHS label elements Hazard pictograms	:		<u>(</u> !
Aspiration hazard	:	Category 1	
GHS Classification Acute toxicity (Inhalation)	:	Category 4	





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Sign	al word	: Danger
Haza	ard statements	: H304 May be fatal if swallowed and enters airways. H332 Harmful if inhaled.
Prec	autionary stateme	<ul> <li>Prevention:</li> <li>P271 Use only outdoors or in a well-ventilated area.</li> </ul>
		<b>Response:</b> P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. P304 + P340 + P312 IF INHALED: Remove person to fresh a and keep comfortable for breathing. Call a POISON CENTER doctor if you feel unwell. P331 Do NOT induce vomiting.
		<b>Storage:</b> P405 Store locked up.

# Other hazards which do not result in classification

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture	:	Mixture
		IVIIALUIC

Chemical nature : Synthetic hydrocarbon oil

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
Dec-1-ene, dimers, hydrogenated	68649-11-6	>= 90 -<= 100
3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-	10191-41-0	>= 0.1 -< 1
trimethyltridecyl)-2H-benzopyran-6-ol		

## **SECTION 4. FIRST AID MEASURES**

If inhaled	<ul> <li>Remove person to fresh air. If signs/symptoms continue, gemedical attention.</li> <li>Keep patient warm and at rest.</li> <li>If unconscious, place in recovery position and seek medical advice.</li> <li>Keep respiratory tract clear.</li> <li>If breathing is irregular or stopped, administer artificial respiration.</li> </ul>	al
In case of skin contact	: Take off all contaminated clothing immediately.	





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		Wash off immediately with soap and plenty of water. Get medical attention immediately if irritation develops and persists. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In ca	se of eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes. Seek medical advice.
If sw	allowed	<ul> <li>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. Aspiration hazard if swallowed - can enter lungs and cause damage.</li> </ul>
	important sympto effects, both acute ved	
Note	s to physician	: The first aid procedure should be established in consultation with the doctor responsible for industrial medicine. Treat symptomatically.

## SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or car- bon dioxide.
Unsuitable extinguishing media	:	High volume water jet
Hazardous combustion prod- ucts	:	Carbon oxides
Specific extinguishing meth- ods	:	Standard procedure for chemical fires.
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.





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				Exposure to decomposition products may be a hazard to health.
Hazo	chem Code	:		-
SECTION	6. ACCIDENTAL	RELEAS	SE	MEASURES
tive e	onal precautions, equipment and em cy 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.
Envi	ronmental precaut	ions :		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.
	nods and materials ainment and clean			Contain spillage, and then collect with non-combustible ab- sorbent material, (e.g. sand, earth, diatomaceous earth, ver- miculite) and place in container for disposal according to local

## SECTION 7. HANDLING AND STORAGE

Advice on safe handling :	Do not use in areas without adequate ventilation. Do not breathe vapours or spray mist. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin and eyes. For personal protection see section 8. Persons with a history of skin sensitisation problems or asth- ma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Smoking, eating and drinking should be prohibited in the ap- plication 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 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
	Keep container closed when not in use.





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Hygiene measures	:	Wash face, hands and any exposed skin thoroughly after handling.
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.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

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
Protective measures	:	The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Choose body protection in relation to its type, to the concen- tration and amount of dangerous substances, and to the spe- cific work-place.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES





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Appearar	nce	:	liquid
Colour		:	colourless
Odour		:	characteristic
Odour Th	nreshold	:	No data available
рН		:	Not applicable substance/mixture is non-soluble (in water)
Melting p	oint/range	:	No data available
Boiling po	oint/boiling ran	ige :	No data available
Flash poi	int	:	160 °C
			Method: Cleveland open cup
Evaporat	ion rate	:	No data available
Flammab	oility (solid, gas	s) :	Not applicable
Self-igniti	ion	:	No data available
Upper ex flammabi	plosion limit / lity limit	Upper :	No data available
Lower ex flammabi	plosion limit / lity limit	Lower :	No data available
Vapour p	ressure	:	< 1.3 hPa (20 °C)
Relative	vapour density	· :	No data available
Relative	density	:	0.796 (20 °C) Reference substance: Water The value is calculated
Density		:	0.80 g/cm3 (20 °C)
Bulk dens	sity	:	No data available
Solubility	(ies)		





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Water solubility	:	insoluble
Solubility in other solvents	:	No data available
Partition coefficient: n- octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	5 mm2/s ( 40 °C)
Explosive properties	:	Not explosive
Oxidizing properties	:	No data available
Sublimation 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 reac- tions	:	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: Harmful by inhalation.





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		Acute toxicity estimate: 1.18 mg/l Exposure time: 4 h
		Test atmosphere: dust/mist Method: Calculation method
Acute	e dermal toxicity	: Symptoms: Redness, Local irritation
Com	ponents:	
Dec-	1-ene, dimers, hy	drogenated:
	e oral toxicity	: LD50 (Rat): > 5,000 mg/kg Method: OECD Test Guideline 401 GLP: yes
Acute	e inhalation toxicity	<ul> <li>LC50 (Rat): 1.17 mg/l</li> <li>Exposure time: 4 h</li> <li>Test atmosphere: dust/mist</li> <li>Method: OECD Test Guideline 403</li> <li>GLP: yes</li> </ul>
Acute	e dermal toxicity	<ul> <li>LD50 (Rabbit): &gt; 3,000 mg/kg Method: OECD Test Guideline 402 Assessment: The substance or mixture has no acute derma toxicity</li> </ul>
3.4-d	ihvdro-2.5.7.8-tet	ramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-ol:
	e oral toxicity	: LD50 (Rat): > 4,000 mg/kg Method: OECD Test Guideline 401
Acute	e dermal toxicity	<ul> <li>LD50 (Rat): &gt; 3,000 mg/kg Method: OECD Test Guideline 402 Assessment: The substance or mixture has no acute dermitoxicity</li> </ul>
Skin	corrosion/irritatio	on
Prod	uct:	
Rema	arks	: This information is not available.
<u>Com</u>	ponents:	
Dec-	1-ene, dimers, hy	drogenated:
Spec		: Rabbit
	ssment	: No skin irritation
Meth	od	: OECD Test Guideline 404
Resu	Li	: No skin irritation

## 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-ol:





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Species	: Rabbit
Assessment	: No skin irritation
Method	: OECD Test Guideline 404
Result	: No skin irritation
GLP	: yes

#### Serious eye damage/eye irritation

## Product:

Remarks

: This information is not available.

#### **Components:**

#### Dec-1-ene, dimers, hydrogenated:

Species	:	Rabbit
Result	:	No eye irritation
Assessment	:	No eye irritation
Method	:	OECD Test Guideline 405

#### 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-ol:

Species	:	Rabbit
Result	:	No eye irritation
Assessment	:	No eye irritation
Method	:	OECD Test Guideline 405
GLP	:	yes

#### Respiratory or skin sensitisation

#### Product:

Remarks

: This information is not available.

#### **Components:**

#### Dec-1-ene, dimers, hydrogenated:

Test Type :	Maximisation Test
Species :	Guinea pig
Assessment :	Does not cause skin sensitisation.
Method :	OECD Test Guideline 406
Result :	Does not cause skin sensitisation.
GLP :	yes

#### 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-ol:

:	Mouse
:	The product is a skin sensitiser, sub-category 1B.
:	OECD Test Guideline 429
:	The product is a skin sensitiser, sub-category 1B.
:	yes
	:





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## **Chronic toxicity**

Germ cell mutagenicity		
Product:		
Genotoxicity in vitro	:	Remarks: No data available
Genotoxicity in vivo	:	Remarks: No data available
Carcinogenicity		
Product:		
Remarks	:	No data available
Reproductive toxicity		
Product:		
Effects on fertility	:	Remarks: No data available
Effects on foetal develop- ment	:	Remarks: No data available
Repeated dose toxicity		
Product:		
Remarks	:	This information is not available.
Aspiration toxicity		
Product:		
May be fatal if swallowed and	ent	ers airways.

## Components:

**Dec-1-ene, dimers, hydrogenated:** May be fatal if swallowed and enters airways.

#### **Further information**

## Product:

Remarks

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





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## **SECTION 12. ECOLOGICAL INFORMATION**

## Ecotoxicity

Pı	rod	uct:	

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		
Components:				
Dec-1-ene, dimers, hydroge	nat	ed:		
Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): > 1,000 mg/l Exposure time: 96 h Test Type: semi-static test Method: OECD Test Guideline 203 GLP: yes		
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 1,000 mg/l Exposure time: 48 h Test Type: Immobilization Method: OECD Test Guideline 202 GLP: yes		
Toxicity to algae/aquatic plants	:	EC50 (Scenedesmus capricornutum (fresh water algae)): > 1,000 mg/l Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201 GLP: yes		
Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)	:	NOEC (Daphnia magna (Water flea)): 125 mg/l Exposure time: 21 d Method: OECD Test Guideline 211 GLP: yes		
3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-ol:				
Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l Exposure time: 96 h Test Type: static test		
Toxicity to daphnia and other	:	EC50 (Daphnia magna (Water flea)): > 100 mg/l		





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aquatic invertebrates       Exposure time: 48 h Method: OECD Test Guideline 202         Toxicity to algae/aquatic plants       :       EC50 (Pseudokirchneriella subcapitata (green algae)): > 25.8 mg/l         Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility       .         Toxicity to fish (Chronic tox- icity)       :       NOEC (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l Exposure time: 28 d Test Type: semi-static test Method: OECD Test Guideline 215 GLP: yes         Persistence and degradability       :       Remarks: No data available         Physico-chemical removabil- ity       :       Remarks: No data available         Physico-chemical removabil- ity       :       Result: Not rapidly biodegradable         3.4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-ol: Biodegradability       :       aerobic Incoculum: activated sludge Result: Not readily biodegradable. Biodegradability         Biodegradability       :       aerobic Incoculum: activated sludge Result: Not readily biodegradable. Biodegradability         Biodegradability       :       aerobic Incoculum: activated sludge Result: Not readily biodegradable. Biodegradability         Bioaccumulative potential       Product: Bioaccumulative potential         Product: Bioaccumulation       :         Bioaccumulation       :         Remarks: This mixture contains no substance considered to be persistent, bioaccumulating and toxic (P	rsion			ast issue: - rst issue: 13.12.2021 Print Date: 13.12.2021
Method: OECD Test Guideline 202         Toxicity to algae/aquatic       :       EC50 (Pseudokirchneriella subcapitata (green algae)): > 25.8 mg/l         plants       :       EC50 (Pseudokirchneriella subcapitata (green algae)): > 25.8 mg/l         Toxicity to fish (Chronic tox-       :       NOEC (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l         rest Type: semi-static test       Method: OECD Test Guideline 215       GLP: yes         Persistence and degradability       :       Remarks: No data available         Physico-chemical removabil-       :       Remarks: No data available         Physico-chemical removabil-       :       Result: Not rapidly biodegradable         3.4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-oI:       Biodegradability       :         Biodegradability       :       aerobic       Inoculum: activated sludge         Result: Not rapidly biodegradable.       Biodegradability       :       aerobic         Biodegradability       :       aerobic       Biodegradable.       Biodegradable.         Biodegradability       :       aerobic       Biodegradable.       Biodegradable.       Biodegradable.         Biodegradability       :       aerobic       Biodegradable.       Biodegradable.       Biodegradable.       Biodegradable.       Biodegradable.       Bio				
plants       mg/l         Exposure time: 72 h       Method: OECD Test Guideline 201         Remarks: No toxicity at the limit of solubility       Toxicity to fish (Chronic tox-       : NOEC (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l         Exposure time: 28 d       Test Type: semi-static test       Method: OECD Test Guideline 215         Persistence and degradability       East Type: semi-static test       Method: OECD Test Guideline 215         Biodegradability       :       Remarks: No data available         Physico-chemical removabil-       :       Remarks: No data available         ity       :       Remarks: No data available         Dec-1-ene, dimers, hydrogenated:       :       Biodegradability         Biodegradability       :       Result: Not rapidly biodegradable         3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-ol:       Biodegradability         Biodegradability       :       aerobic         Inoculum: activated sludge       Result: Not readily biodegradable.         Biodegradability       :       aerobic         Inoculum: activated sludge       Result: Not readily biodegradable.         Biodegradation: 20 %       Exposure time: 28 d         Method: OECD Test Guideline 301F       GLP: yes         Bioaccumulation       :       Remarks: This	aqua	tic invertebrates		Exposure time: 48 h Method: OECD Test Guideline 202
icity) Exposure time: 28 d Test Type: semi-static test Method: OECD Test Guideline 215 GLP: yes Persistence and degradability Product: Biodegradability : Remarks: No data available Physico-chemical removabil- : Remarks: No data available ity Components: Dec-1-ene, dimers, hydrogenated: Biodegradability : Result: Not rapidly biodegradable 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-ol: Biodegradability : Result: Not rapidly biodegradable 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-ol: Biodegradability : aerobic Inoculum: activated sludge Result: Not readily biodegradable. Biodegradability : aerobic Inoculum: activated sludge Result: Not readily biodegradable. Biodegradation: 20 % Exposure time: 28 d Method: OECD Test Guideline 301F GLP: yes Bioaccumulative potential Product: Bioaccumulation : Remarks: This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be persistent and very bioaccumulating (vPvB). Components: Dec-1-ene, dimers, hydrogenated:			:	Exposure time: 72 h Method: OECD Test Guideline 201
Product:       Biodegradability       : Remarks: No data available         Physico-chemical removabil-       : Remarks: No data available         ity       Components:         Dec-1-ene, dimers, hydrogenated:       Biodegradability         Biodegradability       : Result: Not rapidly biodegradable         3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-ol:         Biodegradability       : aerobic         Inoculum: activated sludge         Result: Not readily biodegradable.         Biodegradability       : aerobic         Inoculum: activated sludge         Result: Not readily biodegradable.         Biodegradation: 20 %         Exposure time: 28 d         Method: OECD Test Guideline 301F         GLP: yes         Bioaccumulative potential         Product:         Bioaccumulation       : Remarks: This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be persistent and very bioaccumulating (vPvB).         Components:         Dec-1-ene, dimers, hydrogenated:		city to fish (Chronic t	tox- :	Exposure time: 28 d Test Type: semi-static test Method: OECD Test Guideline 215
Biodegradability       :       Remarks: No data available         Physico-chemical removabil- ity       :       Remarks: No data available         Components:       .       .         Dec-1-ene, dimers, hydrogenated:       .       .         Biodegradability       :       Result: Not rapidly biodegradable         3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-ol: Diodegradability       :       aerobic Inoculum: activated sludge Result: Not readily biodegradable. Biodegradabile. Biodegradability       :       aerobic Result: Not readily biodegradable. Biodegradabile. Biodegradabile. Biodegradation: 20 % Exposure time: 28 d Method: OECD Test Guideline 301F GLP: yes         Bioaccumulative potential       .       Remarks: This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).         Components:       .         Dec-1-ene, dimers, hydrogenated:	Pers	istence and degrad	dability	
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Bioaccumulation       : Remarks: This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).         Components:       Dec-1-ene, dimers, hydrogenated:	Bioa	ccumulative poten	tial	
be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB). Components: Dec-1-ene, dimers, hydrogenated:	Prod	uct:		
Dec-1-ene, dimers, hydrogenated:	Bioad	ccumulation	:	be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be very
	<u>Com</u>	ponents:		
	Dec-	1-ene, dimers, hvd	rogenate	ed:
		· · ·	-	





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#### octanol/water

<b>3,4-dihydro-2,5,7,8-tetrameth</b> Partition coefficient: n- octanol/water <b>Mobility in soil</b>	-	-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-ol: log Pow: 12.2 (25 °C)		
Product: Mobility	:	Remarks: No data available		
Distribution among environ- mental compartments	:	Remarks: No data available		
Other adverse effects				
Product: Additional ecological infor- mation	:	No information on ecology is available.		
<u>Components:</u>				
Dec-1-ene, dimers, hydrogenated:				
Results of PBT and vPvB assessment	:	This substance is not considered to be persistent, bioaccumu- lating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).		

## 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





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#### 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**

ADG

Not regulated as a dangerous good

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

Safety, health and environmental regulations/legislation specific for the substance or mixture

Standard for the Uniform : Schedule 5 Scheduling of Medicines and Poisons

Prohibition/Licensing Requirements

: There is no applicable prohibition, authorisation and restricted use requirements, including for carcinogens referred to in Schedule 10 of the model WHS Act and Regulations.

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

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#### Full text of other abbreviations

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





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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; 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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