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This version replaces all previous versions.
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1	Prod	uct	identifier

BRAVO 720SC

Design code : A12531B

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the	:	Fungicide
Substance/Mixture		

1.3 Details of the supplier of the safety data sheet

Company	:	Syngenta SA (Pty) Ltd P.O. Box 1044, No. 4 Krokodildrift Avenue Brits 0250 South Africa
Telephone	:	+27 (0)12 2506 300
Telefax	:	-
E-mail address of person responsible for the SDS	:	sds.ame@syngenta.com

1.4 Emergency telephone number

Emergency telephone	: +27 (0) 82 446 8946 (Griffon)
number	

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Category 4	H302: Harmful if swallowed.
Acute toxicity, Category 4	H332: Harmful if inhaled.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Carcinogenicity, Category 2	H351: Suspected of causing cancer.
Specific target organ toxicity - single exposure, Category 3, Respiratory system	H335: May cause respiratory irritation.
Short-term (acute) aquatic hazard, Category 1	H400: Very toxic to aquatic life.
Long-term (chronic) aquatic hazard, Category 1	H410: Very toxic to aquatic life with long lasting effects.



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2.2 Label elements

Labelling (REGULATION (E Hazard pictograms	C) N :	o 1272/2008)
Signal word	: \	Warning
Hazard statements	- 	 H302 + H332 Harmful if swallowed or if inhaled. H317 May cause an allergic skin reaction. H335 May cause respiratory irritation. H351 Suspected of causing cancer. H410 Very toxic to aquatic life with long lasting effects.
Precautionary statements		Prevention:P201Obtain special instructions before use.P261Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.P264Wash skin thoroughly after handling.P280Wear protective gloves/ protective clothing/ eyeprotection/ face protection/ hearing protection.
	 ;; (Response: P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. P391 Collect spillage.

Hazardous components which must be listed on the label: chlorothalonil (ISO) 1,2-benzisothiazol-3(2H)-one

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
chlorothalonil (ISO)	1897-45-6 217-588-1 608-014-00-4 01-2120878537-37- xxxx	Acute Tox. 2; H330 Eye Dam. 1; H318 Skin Sens. 1; H317 Carc. 2; H351 STOT SE 3; H335 (Respiratory system)	>= 50 - < 70



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			Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 10	
1,2-b	enzisothiazol-3(2H)-one	2634-33-5 220-120-9 613-088-00 01-212076 xxxx	0-6 Skin Irrit. 2; H315 Eye Dam. 1; H318	>= 0,0025 - < 0,025

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	:	Have the product container, label or Safety Data Sheet with you when calling the emergency number, a poison control center or physician, or going for treatment.
If inhaled	:	Move the victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Keep patient warm and at rest. Call a physician or poison control centre immediately.
In case of skin contact	:	Take off all contaminated clothing immediately. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.
In case of eye contact	:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.
If swallowed	:	If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed



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			No symptoms	known or expected.
4.3	Indication of any immediate	e mec	lical attention	and special treatment needed
	Treatment	:	There is no sp Treat symptor	pecific antidote available. matically.
SE	CTION 5: Firefighting me	asure	es	
5.1	Extinguishing media			
	Suitable extinguishing media	a :	Use water spi carbon dioxid	media - large fires
	Unsuitable extinguishing media	:	Do not use a s fire.	solid water stream as it may scatter and spread
5.2	Special hazards arising fro	m the	substance or	[.] mixture
	Specific hazards during firefighting	:	will produce d products of co	et contains combustible organic components, fire lense black smoke containing hazardous ombustion (see section 10). lecomposition products may be a hazard to
5.3	Advice for firefighters			
	Special protective equipmer for firefighters	nt :	Wear full prote apparatus.	ective clothing and self-contained breathing
	Further information	:	courses.	run-off from fire fighting to enter drains or water ontainers exposed to fire with water spray.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures				
Personal precautions :	Refer to protective measures listed in sections 7 and 8.			
6.2 Environmental precautions				
Environmental precautions :	Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.			
6.3 Methods and material for containment and cleaning up				
Methods for cleaning up :	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth,			



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		local / national Clean contami Clean with det	nd place in container for disposal according to regulations (see section 13). Inated surface thoroughly. ergents. Avoid solvents. pose of contaminated wash water.		
6.4 Reference to other sections					

For disposal considerations see section 13., Refer to protective measures listed in sections 7 and 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling	 No special protective measures against fire required. Avoid contact with skin and eyes. When using do not eat, drink or smoke. For personal protection see section 8.
7.2 Conditions for safe storage	, including any incompatibilities
Requirements for storage areas and containers	 No special storage conditions required. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep our of the reach of children. Keep away from food, drink and animal feedingstuffs.

7.3 Specific end use(s)

Specific use(s)

: For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
chlorothalonil (ISO)	1897-45-6	TWA	0,1 mg/m3	Syngenta

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

		ang to Rogalation		
Substance name	End Use	Exposure routes	Potential health effects	Value
chlorothalonil (ISO)	Workers	Dermal	Long-term systemic effects	0,377 mg/kg bw/day
	Workers	Inhalation	Long-term systemic effects	0,322 mg/m3
	Consumers	Oral	Long-term systemic effects	0,05 mg/kg bw/day
	Consumers	Dermal	Long-term systemic effects	0,135 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	0,057 mg/m3
propane-1,2-diol	Workers	Inhalation	Long-term systemic effects	168 mg/m3



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	Consumers	Inhalation	Long-term local effects	10 mg/m3
	Consumers	Inhalation	Long-term systemic effects	30 mg/m3
	Workers	Inhalation	Long-term local effects	10 mg/m3
1,2-benzisothiazol- 3(2H)-one	Workers	Inhalation	Long-term systemic effects	6,81 mg/m3
	Workers	Dermal	Long-term systemic effects	0,966 mg/kg
	Consumers	Inhalation	Long-term systemic effects	1,2 mg/m3
	Consumers	Dermal	Long-term systemic effects	0,345 mg/kg

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
chlorothalonil (ISO)	Fresh water	0,00014 mg/l
	Freshwater - intermittent	0,00013 mg/l
	Marine water	0,000004 mg/l
	Marine water - intermittent	0,000007 mg/l
	Sewage treatment plant	1 mg/kg
	Marine sediment	0,001 mg/kg
	Fresh water sediment	0,05 mg/kg
	Soil	1,2 mg/kg
propane-1,2-diol	Fresh water	260 mg/l
	Marine water	26 mg/l
	Intermittent use/release	183 mg/l
	Sewage treatment plant	20000 mg/l
	Marine sediment	57,2 mg/kg
	Fresh water sediment	572 mg/kg
	Soil	50 mg/kg
1,2-benzisothiazol-3(2H)-one	Fresh water	0,00403 mg/l
	Marine water	0,000403 mg/l
	Sewage treatment plant	1,03 mg/l
	Fresh water sediment	0,0499 mg/kg
	Marine sediment	0,00499 mg/kg
	Freshwater - intermittent	0,0011 mg/l
	Marine water - intermittent	0,000110 mg/l
	Soil	3 mg/kg

8.2 Exposure controls

Engineering measures

Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated.

The extent of these protection measures depends on the actual risks in use.

Maintain air concentrations below occupational exposure standards. Where necessary, seek additional occupational hygiene advice.

Personal protective equipment

Eye/face protection : No special protective equipment required.



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Han	d protection			
В	Material Break through time Glove thickness		Nitrile rubber > 480 min 0,5 mm	
R	lemarks	:	does not only d features and is Please observe breakthrough ti gloves. Also tak conditions unde danger of cuts, through time de the thickness a measured for e	e gloves. The choice of an appropriate glove epend on its material but also on other quality different from one producer to the other. the instructions regarding permeability and me which are provided by the supplier of the ke into consideration the specific local er which the product is used, such as the abrasion, and the contact time. The break epends amongst other things on the material, nd the type of glove and therefore has to be ach case. Gloves should be discarded and e is any indication of degradation or chemical
Skin	and body protection	:	Choose body p concentration a the specific wor Remove and w Wear as approp Impervious clot	ash contaminated clothing before re-use. priate: hing
Res	piratory protection	:	When workers limit they must Suitable respirat Respirator with The filter class maximum expe (gas/vapour/ae handling the pro-	are facing concentrations above the exposure use appropriate certified respirators. tory equipment: a half face mask for the respirator must be suitable for the cted contaminant concentration rosol/particulates) that may arise when oduct. If this concentration is exceeded, self- thing apparatus must be used.
Prote	ective measures	:	The use of tech over the use of When selecting	nical measures should always have priority personal protective equipment. personal protective equipment, seek fessional advice.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance Colour Odour Odour Threshold	 suspension light grey No data available No data available
рН	: 7 - 8,5 Concentration: 100 %
Melting point/range	: -5 °C



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	Boiling Flash p	point/boiling range point	:	100 °C 100 °C Method: Pensky-	Martens closed cup
	Evaporation rate		:	No data available	
	Flamm	ability (solid, gas)	:	No data available)
		explosion limit / Upper ability limit	:	No data available	9
		explosion limit / Lower ability limit	:	No data available	
	Vapou	r pressure	:	No data available)
	Relativ	e vapour density	:	No data available	
	Densit	y	:	1,333 g/cm3 (20	°C)
		ity(ies) ter solubility ubility in other solvents	:	No data available No data available	
		n coefficient: n- I/water	:	No data available	9
		gnition temperature	:	No data available	9
	Decom	position temperature	:	No data available	9
	Viscos Vise	ity cosity, kinematic	:	No data available)
	Explos	ive properties	:	Not explosive	
	Oxidizi	ng properties	:	The substance o	r mixture is not classified as oxidizing.
9.2	Other i Particle	n formation e size	:	No data available	9

SECTION 10: Stability and reactivity

10.1 Reactivity

None reasonably foreseeable.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.



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	:	No decompositio	
s to avoid	:	No decompositio	
			n if used as directed.
tible materials			
to avoid	:	None known.	
us decomposition	prod	ucts	
s decomposition	:	No hazardous de	ecomposition products are known.
L	to avoid Is decomposition	to avoid :	to avoid : None known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

1 Information on toxicological effects						
	Information on likely routes of exposure	:	Ingestion Inhalation Skin contact Eye contact			
	Acute toxicity					
	Product:					
	Acute oral toxicity	:	LD50 (Rat, female): 2.000 mg/kg Remarks: Based on data from similar materials			
	Acute inhalation toxicity	:	LC50 (Rat, female): 0,86 - 1,5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Assessment: The component/mixture is moderately toxic after short term inhalation., The substance/mixture is not toxic on inhalation as defined by dangerous goods regulations. Remarks: Based on data from similar materials			
	Acute dermal toxicity	:	LD50 (Rabbit, male and female): > 2.000 mg/kg Assessment: The substance or mixture has no acute dermal toxicity Remarks: Based on data from similar materials			
	Components:					
	chlorothalonil (ISO):					
	Acute oral toxicity	:	LD50 (Rat, male and female): > 5.000 mg/kg			
	Acute inhalation toxicity	:	LC50 (Rat, male and female): 0,10 mg/l Exposure time: 4 h Test atmosphere: dust/mist			
			Acute toxicity estimate: 0,1 mg/l Test atmosphere: dust/mist Method: Calculation method			
	Acute dermal toxicity	:	LD50 (Rat, male and female): > 5.000 mg/kg			



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	1,2-benzisothiazol-3(2H)-o					
	Acute oral toxicity	: LD50 (Rat, m	nale): 670 mg/kg			
	Acute dermal toxicity		ale and female): > 2.000 mg/kg The substance or mixture has no acute dermal			
	Skin corrosion/irritation					
	Product:					
	Species	: Rabbit				
	Result	: No skin irritat	ion			
	Remarks	: Based on dat	a from similar materials			
	Components:					
	chlorothalonil (ISO):					
	Species	: Rabbit				
	Result	: No skin irritat	ion			
	1,2-benzisothiazol-3(2H)-o	ne:				
	Species	: Rabbit				
	Result	: Mild skin irrita	ation			
	Serious eye damage/eye ir	ritation				
	Product:					
	Species	: Rabbit				
	Result	: No eye irritat	ion			
	Components:					
	chlorothalonil (ISO):					
	Species	: Rabbit				
	Result	: Risk of seriou	us damage to eyes.			
	1,2-benzisothiazol-3(2H)-o	ne:				
	Species	: Rabbit				
	Result	: Risk of seriou	us damage to eyes.			
	Respiratory or skin sensitisation					
	Product:					
	Test Type	: Buehler Test				
	Species	: Guinea pig				
	Result		ensitisation by skin contact.			
	Remarks	: Based on dat	a from similar materials			



BRAVO 720SC Version **Revision Date:** SDS Number: This version replaces all previous versions. S1126341616 1.0 08.10.2022 Components: chlorothalonil (ISO): **Species** : Guinea pig Result May cause sensitisation by skin contact. : Remarks In very rare cases may cause an allergic response of the : respiratory system. 1,2-benzisothiazol-3(2H)-one: Result Probability or evidence of skin sensitisation in humans : Germ cell mutagenicity **Components:** chlorothalonil (ISO): Germ cell mutagenicity-Animal testing did not show any mutagenic effects. : Assessment 1,2-benzisothiazol-3(2H)-one: Germ cell mutagenicity-Weight of evidence does not support classification as a germ 1 Assessment cell mutagen. Carcinogenicity **Components:** chlorothalonil (ISO): Carcinogenicity -Chlorothalonil causes kidney tumours in rats and mice via a : Assessment non-gentoxic mode of action secondary to target organ toxicity. ,Limited evidence of carcinogenicity in animal studies **Reproductive toxicity Components:** chlorothalonil (ISO): Reproductive toxicity -No toxicity to reproduction : Assessment STOT - single exposure **Components:** chlorothalonil (ISO): Assessment The substance or mixture is classified as specific target organ : toxicant, single exposure, category 3 with respiratory tract irritation.



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STOT - repeated exposure

Components:

chlorothalonil (ISO):

Assessment

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

SECTION 12: Ecological information

:

12.1 Toxicity

<u>Product:</u> Toxicity to fish		LC50 (Opcorbypchus mykiss (raiphow trout)): 0.061 mg/
	•	LC50 (Oncorhynchus mykiss (rainbow trout)): 0,061 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 0,18 mg/l Exposure time: 48 h
Components:		
chlorothalonil (ISO):		
Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 0,039 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 0,07 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	ErC50 (Navicula pelliculosa (Freshwater diatom)): 0,02 mg/l Exposure time: 96 h
		NOEC (Navicula pelliculosa (Freshwater diatom)): 0,0035 mg/l End point: Growth rate Exposure time: 96 h
		ErC50 (Skeletonema costatum (marine diatom)): 0,017 mg/l Exposure time: 96 h
		NOEC (Skeletonema costatum (marine diatom)): 0,012 mg/l End point: Growth rate Exposure time: 96 h
M-Factor (Acute aquatic toxicity)	:	10
Toxicity to fish (Chronic toxicity)	:	NOEC: 0,003 mg/l Exposure time: 297 d Species: Pimephales promelas (fathead minnow)
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC: 0,035 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea)



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				NOEC: 0,00083 n Exposure time: 28 Species: America	3 d
	M-Facto toxicity)	or (Chronic aquatic	:	10	
	1 2 hor	zicothiozol 2(24) on	~.		
	Toxicity	izisothiazol-3(2H)-on o to fish	:	LC50 (Oncorhync Exposure time: 96	hus mykiss (rainbow trout)): 2,18 mg/l 5 h
		to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48	nagna (Water flea)): 2,94 mg/l 3 h
	Toxicity plants	to algae/aquatic	:	ErC50 (Raphidoc 0,15 mg/l Exposure time: 72	elis subcapitata (freshwater green alga)): 2 h
				EC10 (Raphidoce 0,04 mg/l End point: Growth Exposure time: 72	
	M-Facto toxicity)	or (Acute aquatic	:	1	
	Toxicity toxicity)	to fish (Chronic	:	NOEC: 0,3 mg/l Exposure time: 28 Species: Oncorhy	3 d mchus mykiss (rainbow trout)
	aquatic	to daphnia and other invertebrates c toxicity)	:	NOEC: 1,7 mg/l Exposure time: 2 Species: Daphnia	
12.2	2 Persist	ence and degradabil	ity		
	<u>Compo</u>	nents:			
	chlorot	halonil (ISO):			
	Stability	in water	:	Degradation half Remarks: Produc	ife: < 5 d (20 °C) t is not persistent.
	1,2-ben	zisothiazol-3(2H)-one	e:		
	Biodegr	adability	:	Result: rapidly de	gradable
12.3	3 Bioacc	umulative potential			
	<u>Compo</u>	onents:			
	chlorot	halonil (ISO):			
		umulation	:	Remarks: Low bio	paccumulation potential.
	Partition octanol	n coefficient: n- /water	:	log Pow: 2,94 (25	°C)



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1,2-b	enzisothiazol-3(2H)-one):	
Bioac	cumulation	: Remarks: Bio	accumulation is unlikely.
2.4 Mobi	lity in soil		
<u>Comp</u>	oonents:		
chlor	othalonil (ISO):		
	oution among	: Remarks: Ch	lorothalonil has low to slight mobility in soil.
	onmental compartments ity in soil		me: 7 d lissipation: 50 % (DT50) oduct is not persistent.
2.5 Resu	Its of PBT and vPvB as	sessment	
<u>Produ</u>	uct:		
Asses	ssment	to be either p	ce/mixture contains no components considered ersistent, bioaccumulative and toxic (PBT), or nt and very bioaccumulative (vPvB) at levels of er.
<u>Com</u>	oonents:		
chlor	othalonil (ISO):		
Asses	ssment	very bioaccu	ce is not considered to be very persistent and mulating (vPvB) This substance is not b be persistent, bioaccumulating and toxic (PBT
1,2-b	enzisothiazol-3(2H)-one	:	
	ssment	: This substand bioaccumulat	ce is not considered to be persistent, ing and toxic (PBT) This substance is not be very persistent and very bioaccumulating
2.6 Othe	r adverse effects		
Produ	uct:		
	crine disrupting	considered to to REACH Ar	ce/mixture does not contain components have endocrine disrupting properties accordir ticle 57(f) or Commission Delegated regulation 00 or Commission Regulation (EU) 2018/605 a 6 or higher.

13.1 Waste treatment methods

: Do not contaminate ponds, waterways or ditches with
chemical or used container.
Do not dispose of waste into sewer.
Where possible recycling is preferred to disposal or



	• • • • • •		
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		incineration. If recycling is n local regulation	ot practicable, dispose of in compliance with s.
Conta	minated packaging	handling site fo	•

SECTION 14: Transport information

14.1 UN number				
UNRTDG	:	UN 3082		
IMDG	:	UN 3082		
ΙΑΤΑ	:	UN 3082		
14.2 UN proper shipping name				
UNRTDG	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CHLOROTHALONIL)		
IMDG	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CHLOROTHALONIL)		
ΙΑΤΑ	:	Environmentally hazardous substance, liquid, n.o.s. (CHLOROTHALONIL)		
14.3 Transport hazard class(es)				
UNRTDG	:	9		
IMDG	:	9		
ΙΑΤΑ	:	9		
14.4 Packing group				
UNRTDG Packing group Labels	:	III 9		
IMDG Packing group Labels EmS Code	:	III 9 F-A, S-F		
IATA (Cargo) Packing instruction (cargo aircraft) Packing instruction (LQ) Packing group Labels	:	964 Y964 III Miscellaneous		
	•	Mischartous		



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(pass Packi	ing instruction senger aircraft) ing instruction (LQ) ing group Is	: 964 : Y964 : III : Miscellaneou	IS
14.5 Envi	ronmental hazards		
IMDO Marin	B ne pollutant	: yes	
	(Passenger) onmentally hazardous	: yes	
	(Cargo) onmentally hazardous	: yes	

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Other regulations:

None known.

15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance when it is used in the specified applications.

SECTION 16: Other information

Full text of H-Statements

H302		Harmful if swallowed.
H315		Causes skin irritation.
H317		May cause an allergic skin reaction.
H318	:	Causes serious eye damage.
	•	
H330 :		Fatal if inhaled.
H335 :	:	May cause respiratory irritation.
H351 :	:	Suspected of causing cancer.
H400 :	:	Very toxic to aquatic life.
H410 :	:	Very toxic to aquatic life with long lasting effects.
H411 :	:	Toxic to aquatic life with long lasting effects.
Full text of other abbreviation	s	
Acute Tox.	:	Acute toxicity



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Aquat Carc. Eye D Skin I Skin S STOT	rrit. Sens.	: Carcinogenicit : Serious eye da : Skin irritation : Skin sensitisat	amage

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN -Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; 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; 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; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RID -Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; 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

Further information

Classification of the m	nixture:	Classification procedure:
Acute Tox. 4	H302	Based on product data or assessment
Acute Tox. 4	H332	Based on product data or assessment
Skin Sens. 1	H317	Based on product data or assessment
Carc. 2	H351	Calculation method
STOT SE 3	H335	Calculation method
Aquatic Acute 1	H400	Based on product data or assessment
Aquatic Chronic 1	H410	Calculation method



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This version replaces all previous versions.

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