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SECTIO	N 1. IDENTIFICATION			
Pro	duct name	:	MasterProtect EL	. 750AA medium
Pro	duct code	:	00000000005171	7706 00000000051717706
Oth	er means of identification	:	No data available	
Mar	nufacturer or supplier's	deta	ails	
Con	npany name of supplier	:	MBSCS Canada,	Inc.
Add	ress	:	7111 Syntex Driv Mississauga ON	
Eme	ergency telephone	:	ChemTel: +1-813	3-248-0585;
Rec	commended use of the c	her	nical and restriction	ons on use
Rec	commended use	:	Product for const	ruction chemicals
Res	trictions on use	:	Reserved for indu	ustrial and professional use.

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accord Skin sensitization	lan :	ce with the Hazardous Products Regulations Category 1
Specific target organ toxicity - repeated exposure	:	Category 2 (Kidney)
Short-term (acute) aquatic hazard	:	Category 3
Long-term (chronic) aquatic hazard	:	Category 3
Carcinogenicity (Inhalation)	:	Category 1A
GHS label elements Hazard pictograms	:	
Signal Word	:	Danger
Hazard Statements	:	H317 May cause an allergic skin reaction. H350 May cause cancer. H373 May cause damage to organs (Kidney) through prolonged or repeated exposure. H402 Harmful to aquatic life.

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		H412 Harmful t	o aquatic life with long lasting effects.
Preca	utionary Statements	face protection. P201 Obtain sp P260 Do not br P202 Do not ha and understood P273 Avoid rele	becial instructions before use. reathe dust or mist. andle until all safety precautions have been read
		CENTER/ doctor P314 Get medi P303 + P352 IF and water.	F exposed or concerned: Call a POISON or. cal advice/ attention if you feel unwell. F ON SKIN (or hair): Wash with plenty of soap take off contaminated clothing and wash it before
		Storage: P405 Store loc	ked up.
		Disposal: P501 Dispose of waste collection	of contents/container to appropriate hazardous n point.
••	r hazards ata available.		

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : No data available.

Components

Chemical name	CAS-No.	Concentration (% w/w)
Limestone	1317-65-3	>= 20 - < 50
Titanium dioxide	13463-67-7	>= 5 - < 10
ethyleneglycol	107-21-1	>= 1 - < 3
zinc oxide	1314-13-2	>= 0.3 - < 1
Quartz (SiO2)	14808-60-7	>= 0 - < 1
Poly(oxy-1,2-ethanediyl), .alpha [(1,1,3,3-tetramethylbutyl)phenyl]- .omegahydroxy-	9036-19-5	>= 0.1 - < 0.2
3-iodo-2-propynyl butylcarbamate; 3- iodoprop-2-yn-1-yl butylcarbamate	55406-53-6	>= 0 - < 0.1
diuron	330-54-1	>= 0 - < 0.1
2-octyl-4-isothiazol-3-ones	26530-20-1	>= 0 - < 0.1

SECTION 4. FIRST AID MEASURES

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Ge	neral advice	:	ance.	erous area. al safety data sheet to the doctor in attend- victim unattended.
lf iı	nhaled	:	advice.	ace in recovery position and seek medical ist, call a physician.
In	case of skin contact	:	lf on skin, rinse w	ell with water.
In (case of eye contact	:	Remove contact I Protect unharmed Keep eye wide op	d eye.
If s	wallowed	:	Keep respiratory Do not give milk on Never give anythin If symptoms pers	mmediately and call a physician. tract clear. or alcoholic beverages. ng by mouth to an unconscious person. ist, call a physician. rdiately to hospital.
an	st important symptoms d effects, both acute and ayed	:	May cause an alle May cause cance	ergic skin reaction. r.
No	tes to physician	:	Treat symptomati	cally.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Water spray Foam Dry powder Carbon dioxide (CO2)
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during fire fighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus for firefighting if nec- essary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

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	tive equ	al precautions, protec- ipment and emer- procedures	:	Use personal prot	ective equipment.
	Environ	mental precautions	:	Prevent further lea	om entering drains. akage or spillage if safe to do so. aminates rivers and lakes or drains inform ties.
		s and materials for ment and cleaning up	:	acid binder, unive	absorbent material (e.g. sand, silica gel, rsal binder, sawdust). closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Product is not explosive.
		Normal measures for preventive fire protection.
Advice on safe handling	:	Do not breathe vapors/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the ap- plication area. Dispose of rinse water in accordance with local and national regulations. Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
Conditions for safe storage	:	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.
Further information on stor- age conditions	:	Keep only in the original container in a cool, dry, well- ventilated place away from ignition sources, heat or flame. Protect from direct sunlight.
Materials to avoid	:	Observe VCI storage rules.
Recommended storage tem- perature	:	5 °C
Further information on stor- age stability	:	Minimum storage temperature:

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of	Control parame- ters / Permissible	Basis
		exposure)	concentration	
ethyleneglycol	107-21-1	TWA value (Vapor frac- tion)	25 ppm	ACGIHTLV
		STEL value (Vapor frac- tion)	50 ppm	ACGIHTLV
		STEL value (Aerosol, inhalable.)	10 mg/m3	ACGIHTLV
		(C)	100 mg/m3	CA AB OEL
		TWA (partic- ulate)	10 mg/m3	CA BC OEL
		STEL (par- ticulate)	20 mg/m3	CA BC OEL
		C (aerosol)	100 mg/m3	CA BC OEL
		C (Vapor)	50 ppm	CA BC OEL
		C (Vapour	50 ppm	CA QC OEL
		and mist)	127 mg/m3	
		TWA (Vapor)	25 ppm	ACGIH
		STEL (Vapor)	50 ppm	ACGIH
		STEL (Inhal- able fraction, Aerosol only)	10 mg/m3	ACGIH
diuron	330-54-1	TWA value	10 mg/m3	ACGIHTLV
		REL value	10 mg/m3	NIOSH
		TWA value	10 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA	10 mg/m3	CA AB OEL
		TWA	10 mg/m3	CA BC OEL
		TWAEV	10 mg/m3	CA QC OEL
		TWA	10 mg/m3	ACGIH
zinc oxide	1314-13-2	TWA value (Respirable fraction)	2 mg/m3	ACGIHTLV
		STEL value (Respirable fraction)	10 mg/m3	ACGIHTLV
		REL value (fumes/smok e)	5 mg/m3	NIOSH
		REL value (dust)	5 mg/m3	NIOSH
		STEL value (fumes/smok	10 mg/m3	NIOSH

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Ì		1		1	
			e) Ceil_Time	15 mg/m3	NIOSH
			(dust)	15 mg/ms	NIOSH
			PEL (Total	15 mg/m3	29 CFR
			dust)	. eg,e	1910.1000
			,		(Table Z-1
			PEL (Respir-	5 mg/m3	29 CFR
			able fraction)		1910.1000 (Table Z-1
			PEL	5 mg/m3	29 CFR
			(fumes/smok		1910.1000
			e)		(Table Z-1
			TWA value	5 mg/m3	29 CFR
			(fumes/smok		1910.1000 (Table 7.4
			e)	5	(Table Z-1
			TWA value	5 mg/m3	29 CFR
			(Respirable fraction)		1910.1000 (Table Z-1
			TWA value	10 mg/m3	29 CFR
			(Total dust)	TO HIG/HIS	1910.1000
			(101210031)		(Table Z-1
			STEL value	10 mg/m3	29 CFR
			(fumes/smok		1910.1000
			e)		(Table Z-1
			TWA (Res-	2 mg/m3	CA AB OE
			pirable)		
			STEL (Res- pirable)	10 mg/m3	CA AB OE
			TWA (Res- pirable)	2 mg/m3	CA BC OE
			STEL (Res- pirable)	10 mg/m3	CA BC OE
			TWAEV (Fumes)	5 mg/m3	CA QC OE
			TWAEV (to- tal dust)	10 mg/m3	CA QC OE
			STEV (Fumes)	10 mg/m3	CA QC OE
			TWA (Res- pirable par- ticulate mat-	2 mg/m3	ACGIH
			ter)	40	
			STEL (Res- pirable par- ticulate mat-	10 mg/m3	ACGIH
			ter)		
Limes	tone	1317-65-3	REL value (Respirable)	5 mg/m3	NIOSH
			REL value (Total)	10 mg/m3	NIOSH
			PEL (Respir- able fraction)	5 mg/m3	29 CFR 1910.1000 (Table Z-1

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			dust)		1910.1000 (Table Z-1)
			TWA value (Respirable fraction)	5 mg/m3	29 CFR 1910.1000 (Table Z-1-A
			TWA value (Total dust)	15 mg/m3	29 CFR 1910.1000 (Table Z-1-A
			TWA	10 mg/m3	CA AB OEL
			TWAEV (to- tal dust)	10 mg/m3	CA QC OEL
			TWA (Total dust)	10 mg/m3	CA BC OEL
			TWA (respir- able dust fraction)	3 mg/m3	CA BC OEL
			STEL	20 mg/m3	CA BC OEL
Titani	um dioxide	13463-67-7	TWA value	10 mg/m3	ACGIHTLV
			PEL (Total dust)	15 mg/m3	29 CFR 1910.1000 (Table Z-1)
			TWA value (Total dust)	10 mg/m3	29 CFR 1910.1000 (Table Z-1-/
			TWA	10 mg/m3	CA AB OEL
			TWA (Total dust)	10 mg/m3	CA BC OEL
			TWA (respir- able dust fraction)	3 mg/m3	CA BC OEL
			TWAEV (to- tal dust)	10 mg/m3	CA QC OEL
			TWA	10 mg/m3 (Titanium dioxide)	ACGIH
Quart	z (SiO2)	14808-60-7	TWA value (Respirable fraction)	0.025 mg/m3	ACGIHTLV
			TWA value	0.05 mg/m3 (Respirable dust)	29 CFR 1910.1001- 1050
			OSHA Action level	0.025 mg/m3 (Respirable dust)	29 CFR 1910.1001- 1050
			REL value (Respirable dust)	0.05 mg/m3	NIOSH
			TWA (Res- pirable par- ticulates)	0.025 mg/m3	CA AB OEL
			TWA (Res- pirable frac- tion)	0.1 mg/m3	CA ON OEL
			TWAEV (respirable	0.1 mg/m3	CA QC OEL

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1		ĺ		dust)	1	
				TWA (Res- pirable)	0.025 mg/m3 (Silica)	CA BC O
				TWA (Res- pirable par- ticulate mat- ter)	0.025 mg/m3 (Silica)	ACGIH
Engin	eering measures	:	No applicable	information ava	ailable.	
Perso	nal protective equip	ment				
	ratory protection	:		H-certified (or e	quivalent) respirator	as neces-
Hand	protection					
Re	marks	:		for a specific w ucers of the prot	orkplace should be o ective gloves.	discussed
Eye pi	rotection	:		tle with pure wa safety goggles	ter	
Skin a	and body protection	:		protection acco	rding to the amount a ubstance at the work	
Protec	ctive measures	:	Avoid contact Avoid exposu Handle in acc and safety pra	re - obtain spec ordance with go actice.	aerosols. yes and clothing. ial instructions before ood building materials	s hygiene
Hygiei	ne measures	:	When using c		ik. nd at the end of work	kday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Color	:	various colours
Odor	:	ammonia-like, slight odour
Odor Threshold	:	No data available
рН	:	neutral to slightly alkaline
Melting point	:	No applicable information available.

SAFETY DATA SHEET

Versio 1.0	on	Revision Date: 10/09/2020		S Number: 0000261414	Date of last issue: - Date of first issue: 10/09/2020
F	Freezing point			No applicable info	ormation available.
E	Boiling point		:	192 - 205 °C	
F	Flash point		:	> 93.34 °C	
E	Evaporation rate		:	No applicable info	ormation available.
F	Flammability (solid, gas)		:	not highly flamma Method: derived	
		explosion limit / Upper bility limit	:	15.3 %(V)	
		explosion limit / Lower bility limit	:	3.2 %(V)	
١	√apor p	pressure	:	No data available	9.
F	Relative	e vapor density	:	Heavier than air.	
[Density		:	1.2 - 1.4 g/cm3 (2	20 °C)
E	Bulk de	nsity	:	not applicable	
S	Solubilit Wate	ty(ies) er solubility	:	soluble	
	Solu	bility in other solvents	:	No applicable info	ormation available.
	Partitior	n coefficient: n- /water	:	No data available	Э.
A	Autoign	ition temperature	:	No data available)
C	Decomp	position temperature	:	No decompositio scribed/indicated	n if stored and handled as pre-
١	√iscosit Visc	y osity, dynamic	:	No data available	9.
	Visc	osity, kinematic	:	No applicable info	ormation available.
E	Explosiv	ve properties	:	Not explosive Not explosive	
C	Oxidizin	ng properties	:	Based on its strue as oxidizing.	ctural properties the product is not classified
5	Sublima	ation point	:	No applicable info	ormation available.
Ν	Molecul	ar weight	:	No data available)

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ECTION	10. STABILITY AND RE	EAC	ΤΙνιτγ			
Read	tivity	:	No decomposition	on if stored and applied as directed.		
Chen	nical stability	:	No decomposition if stored and applied as directed.			
Poss tions	ibility of hazardous reac-	:	No decompositio	on if stored and applied as directed.		
Cond	litions to avoid	:	See SDS section	n 7 - Handling and storage.		
Incor	Incompatible materials		Strong acids Strong bases Strong oxidizing agents Strong reducing agents			
Haza produ	rdous decomposition	:	No hazardous decomposition products if stored and handled as prescribed/indicated.			
Acut	11. TOXICOLOGICAL I e toxicity					
Acut Not c <u>Prod</u>	e toxicity lassified based on availa <u>uct:</u>		information.			
Acut Not c <u>Prod</u>	e toxicity lassified based on availa		information.	blicable information available.		
Acut Not c <u>Prod</u> Acute	e toxicity lassified based on availa <u>uct:</u>		information. Remarks: No app	blicable information available.		
Acut Not c <u>Prod</u> Acute	e toxicity lassified based on availa <u>uct:</u> e oral toxicity	ble :	information. Remarks: No app Remarks: No app			
Acut Not c Prod Acute Acute Acute	e toxicity lassified based on availa <u>uct:</u> e oral toxicity e inhalation toxicity	ble : :	information. Remarks: No app Remarks: No app Remarks: No app	blicable information available.		
Acut Not c Prod Acute Acute Acute	e toxicity lassified based on availa <u>uct:</u> e oral toxicity e inhalation toxicity e dermal toxicity corrosion/irritation lassified based on availa <u>uct:</u>	ble : :	information. Remarks: No app Remarks: No app Remarks: No app information.	blicable information available.		
Acute Not c Prod Acute Acute Acute Skin Not c Prod Rema	e toxicity lassified based on availa <u>uct:</u> e oral toxicity e inhalation toxicity e dermal toxicity corrosion/irritation lassified based on availa <u>uct:</u>	ble : : ble :	information. Remarks: No app Remarks: No app Remarks: No app information. May cause skin in on	blicable information available.		

Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization

Not classified based on available information.

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Prod	uct:		
Rema	arks	: Causes sensitiz	zation.
Germ	cell mutagenicity		
Not c	lassified based on ava	ailable information.	
Carci	nogenicity		
Mayo	cause cancer.		
Repr	oductive toxicity		
Not c	lassified based on ava	ailable information.	
	-single exposure		
Not c	lassified based on ava	ailable information.	
	-repeated exposure		
Not c	lassified based on ava	ailable information.	
-	ation toxicity		
Not c	lassified based on ava	ailable information.	
Prod			
No as	spiration hazard exped	cted.	
Furth	er information		
Prod			
Rema	arks	: No data availat	le

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

zinc oxide:

M-Factor (Acute aquatic tox- : 1 icity)

M-Factor (Chronic aquatic : 1 toxicity)

2-octyl-4-isothiazol-3-ones:

M-Factor (Acute aquatic tox- : 1 icity)

M-Factor (Chronic aquatic : 1 toxicity)

Persistence and degradability

No data available

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Bioad	cumulative potential			
Comp	oonents:			
Titan	ium dioxide:			
	ion coefficient: n- ol/water	:	Remarks: not app	blicable
ethyle	eneglycol:			
	ion coefficient: n- ol/water	:	log Pow: approx. Method: Calculati GLP: no data Remarks: Informa literature.	
zinc o	oxide:			
	ion coefficient: n- ol/water	:	Remarks: The va substance is inor	lue has not been determined because the ganic.
3-iod	o-2-propynyl butylcar	bam	ate: 3-iodoprop-2	-yn-1-yl butylcarbamate:
Partiti	ion coefficient: n- ol/water	:	log Pow: 2.81 (25	
	lity in soil			
	ata available			
	r adverse effects			
<u>Produ</u> Additi matio	onal ecological infor-	:	unprofessional ha Harmful to aquati	l hazard cannot be excluded in the event of andling or disposal. c life. c life with long lasting effects.
ECTION	13. DISPOSAL CONS	IDEF	ATIONS	
Dispo	osal methods			
-	e from residues	:	cal or used conta Dispose of in acc tions.	ate ponds, waterways or ditches with chemi- iner. ordance with national, state and local regula into drains/surface waters/groundwater.

Contaminated packaging	:	Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the sub- stance/product
		stance/product.

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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.

Domestic regulation

TDG Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

The ingredients of this product are reported in the following inventories:

DSL : On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

29 CFR 1910.1000 (Table Z- 1-A)	:	OSHA - Table Z-1-A (29 CFR 1910.1000)
,	:	OSHA - Table Z-1 (Limits for Air Contaminants) 29 CFR 1910.1000
29 CFR 1910.1001-1050	:	OSHA - Specifically Regulated Substances (29 CFR 1910.1001-1050)
ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
ACGIHTLV		American Conference of Governmental Industrial Hygienists - threshold limit values (US)
CA AB OEL	:	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
CA BC OEL	:	Canada. British Columbia OEL
CA ON OEL	:	Ontario Table of Occupational Exposure Limits made under the Occupational Health and Safety Act.
CA QC OEL	:	Québec. Regulation respecting occupational health and safe- ty, Schedule 1, Part 1: Permissible exposure values for air- borne contaminants
NIOSH	:	NIOSH Pocket Guide to Chemical Hazards (US)
29 CFR 1910.1000 (Table Z- 1-A) / STEL value		Short Term Exposure Limit (STEL):
29 CFR 1910.1000 (Table Z- 1-A) / TWA value	:	Time Weighted Average (TWA):
29 CFR 1910.1000 (Table Z- 1) / PEL	:	Permissible exposure limit

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	R 1910.1001-1050 /	: (OSHA Action lev	el:		
	A Action level R 1910.1001-1050 /		Time Weighted A	v_{0}		
TWA				verage (TWA).		
ACGI	H/TWA	: 8	B-hour, time-weig	hted average		
ACGI	H / STEL	: 5	Short-term expos	ure limit		
ACGI	HTLV / STEL value	: 5	Short Term Expo	sure Limit (STEL):		
ACGI	HTLV / TWA value	: ٦	Time Weighted Average (TWA):			
CA AI	B OEL / TWA	: 8	8-hour Occupational exposure limit			
CA AI	B OEL / STEL	: 1	15-minute occupational exposure limit			
	3 OEL / (c)	: 0	: ceiling occupational exposure limit			
	C OEL / TWA	: 8	8-hour time weighted average			
CA B	C OEL / STEL	: s	short-term exposure limit			
	C OEL / C		ceiling limit			
	N OEL / TWA			verage Limit (TWA)		
	C OEL / TWAEV			/erage exposure value		
	C OEL / STEV		Short-term expos	ure value		
CA Q	C OEL / C	: (Ceiling			
	H / Ceil_Time			e and Time Period (if specified):		
	H / REL value			xposure limit (REL):		
NIOS	H / STEL value	: 5	Short Term Expo	sure Limit (STEL):		
AICS	- Australian Inventorv	of Che	mical Substance	es; ANTT - National Agency for Transport		
				esting of Materials: bw - Body weight: CM		

rt bv 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; 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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