



Vers 5.0		Revision Date: 2024/07/06	-	S Number: I8880-00011	Date of last issue: 2024/04/06 Date of first issue: 2019/05/06			
1. P	1. PRODUCT AND COMPANY IDENTIFICATION							
	Product name		:	Multivitamin Aqu	eous Formulation			
	Manufa	acturer or supplier's d	letai	ils				
	Compa	ny	:	MSD				
	Addres	S	:	126 E. Lincoln Av Rahway, New Je	venue ersey U.S.A. 07065			
	Teleph	one	:	908-740-4000				
	Emerge	ency telephone number	• :	1-908-423-6000				
	E-mail	address	:	EHSDATASTEW	/ARD@msd.com			
	Recom	mended use of the ch	nem	ical and restriction	ons on use			
		mended use tions on use	:	Veterinary produ Not applicable	ct			

2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture.

GHS label elements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

Other hazards which do not result in classification

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Benzyl alcohol	100-51-6	< 10
Riboflavin 5'-(sodium hydrogen phosphate)	130-40-5	< 10
Pyridoxine hydrochloride	58-56-0	< 10
Cyanocobalamin	68-19-9	>= 0.0003 -< 0.0025

4. FIRST AID MEASURES



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lf inh:	aled	:	If inhaled, remove				
In case of skin contact		:	Get medical attention if symptoms occur. : Wash with water and soap as a precaution.				
In ca	se of eye contact	:	Get medical attention if symptoms occur. Flush eyes with water as a precaution.				
lf swa	allowed	:	If swallowed, DO Get medical atter	ition if irritation develops and persists. NOT induce vomiting. ition if symptoms occur. oughly with water.			
	important symptoms effects, both acute and red	:	None known.	ougniy with water.			
Prote	ection of first-aiders s to physician	:		utions are necessary for first aid responders. cally and supportively.			
5. FIREFI	GHTING MEASURES						
Suita	ble extinguishing media	:	Water spray Alcohol-resistant Carbon dioxide (C Dry chemical				
Unsu media	itable extinguishing	:	None known.				
	ific hazards during fire-	:	Exposure to com	oustion products may be a hazard to health.			
	rdous combustion prod-	:	Carbon oxides				
Spec ods	ific extinguishing meth-	:	cumstances and t Use water spray t Remove undama so.	g measures that are appropriate to local cir- the surrounding environment. to cool unopened containers. ged containers from fire area if it is safe to do			
•	ial protective equipment efighters	:	essary.	ed breathing apparatus for firefighting if nec- tective equipment.			
6. ACCID	ENTAL RELEASE MEA	SUF	RES				
	onal precautions, protec-	:		ling advice (see section 7) and personal pro-			

tive equipment and emer- gency procedures	tective equipment recommendations (see section 8).
Environmental precautions :	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.



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	ods and materials for inment and cleaning up	:	For large spills, pu ment to keep mat be pumped, store Clean up remainin bent. Local or national up posal of this mate employed in the of mine which regula Sections 13 and 1	t absorbent material. rovide dyking or other appropriate contain- erial from spreading. If dyked material can recovered material in appropriate container. Ing materials from spill with suitable absor- regulations may apply to releases and dis- rrial, as well as those materials and items leanup of releases. You will need to deter- ations are applicable. 15 of this SDS provide information regarding tional requirements.
7. HANDL	ING AND STORAGE			
Techr	nical measures	:		measures under EXPOSURE SONAL PROTECTION section.
Local/	Total ventilation	:	Use only with ade	
	e on safe handling	:	practice, based or sessment Take care to prev environment.	ance with good industrial hygiene and safety in the results of the workplace exposure as- ent spills, waste and minimize release to the
Condi	tions for safe storage	:		abelled containers. ce with the particular national regulations.
Mater	ials to avoid	:		the following product types:

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

:

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Riboflavin 5'-(sodium hydrogen phosphate)	130-40-5	TWA	100 ug/m3 (OEB 2)	Internal
Pyridoxine hydrochloride	58-56-0	TWA	OEB 3 (>= 10 < 100 µg/m3)	Internal
Cyanocobalamin	68-19-9	TWA	15 µg/m3 (OEB 3)	Internal
		Wipe limit	150 µg/100 cm2	Internal

Engineering measures

Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations.

Personal protective equipment

Respiratory protection

: No personal respiratory protective equipment normally required.

Hand protection



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Eye Skin	Remarks protection and body protection iene measures		Wear the followin Safety glasses Skin should be w If exposure to ch- eye flushing syst ing place. When using do n	ore breaks and at the end of workday. ag personal protective equipment: ashed after contact. emical is likely during typical use, provide ems and safety showers close to the work- ot eat, drink or smoke. ted clothing before re-use.
9. PHYS	ICAL AND CHEMICAL PI	ROP	ERTIES	
Арр	earance	:	Aqueous solutio	n
Colo	bur	:	red	
Odo	ur	:	characteristic	
Odo	ur Threshold	:	No data availabl	e
рН		:	No data availabl	e
Melt	ing point/freezing point	:	0 °C	
Initia rang	al boiling point and boiling ge	:	100.5 °C	
Flas	h point	:	No data availabl	е
Eva	poration rate	:	No data availabl	e
Flan	nmability (solid, gas)	:	Not applicable	
Flan	nmability (liquids)	:	Not applicable	
	er explosion limit / Upper mability limit	:	No data availabl	e
	er explosion limit / Lower mability limit	:	No data availabl	e
Vap	our pressure	:	No data availabl	e
Rela	ative vapour density	:	No data availabl	e
Rela	ative density	:	1.01	
Den	sity	:	No data availabl	e
	ıbility(ies) Vater solubility	:	No data availabl	e
Part	ition coefficient: n-	:	Not applicable	





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octan	ol/water			
	ignition temperature	: No d	ata available	9
Deco	mposition temperature	: No d	ata available	9
Visco Vis	sity scosity, kinematic	: No d	ata available	e
Explo	sive properties	: Not e	explosive	
Oxidi	zing properties	: The	substance o	r mixture is not classified as oxidizing.
Moleo	cular weight	: No d	ata available	9
	le characteristics le size	: Not a	applicable	
IO. STAB		(
	tivity nical stability bility of hazardous reac-	: Stab	le under nor	a reactivity hazard. mal conditions. rong oxidizing agents.
Cond Incom	itions to avoid ppatible materials rdous decomposition lots	: Oxid	e known. izing agents azardous de	ecomposition products are known.
1. TOXIC	OLOGICAL INFORMA	ΓΙΟΝ		
Inforn expos	nation on likely routes of sure	Skin o Inges	contact	
	e toxicity lassified based on availa	ble inform	ation.	
Com	oonents:			
	yl alcohol: e oral toxicity	: LD50	(Rat): 1,620) mg/kg
Acute	inhalation toxicity	Expos Test a	(Rat): > 4.1 sure time: 4 atmosphere: od: OECD Te	h
	lavin 5'-(sodium hydro		• •	
Acute	e oral toxicity	: LD50	(Rat): > 20,0	000 mg/kg





ersion D	Revision Date: 2024/07/06	SDS Number: 4248880-00011	Date of last issue: 2024/04/06 Date of first issue: 2019/05/06
-	oxine hydrochloride		
Acute	oral toxicity	: LD50 (Rat): 4	.,000 mg/kg
Cyan	ocobalamin:		
Acute	e oral toxicity	: LD50 (Rat): >	• 5,000 mg/kg
Skin	corrosion/irritation		
Not cl	lassified based on ava	ailable information.	
<u>Comp</u>	ponents:		
Benz	yl alcohol:		
Speci Mothe		: Rabbit	Nuideline 404
Metho Resul		: OECD Test C : No skin irritat	
	oxine hydrochloride		
-	-		
Speci Resul	les It	: Rabbit : No skin irritat	ion
Speci Resul Serio Not cl	es	: Rabbit : No skin irritat irritation	ion
Speci Resul Serio Not cl <u>Com</u>	les It us eye damage/eye lassified based on ava	: Rabbit : No skin irritat irritation	ion
Speci Resul Serio Not cl <u>Com</u>	les It us eye damage/eye lassified based on ava <u>ponents:</u> yl alcohol:	: Rabbit : No skin irritat irritation ailable information. : Rabbit	
Speci Resul Serio Not cl Comp Benz Speci Resul	es It us eye damage/eye lassified based on ava <u>ponents:</u> yl alcohol: les It	: Rabbit : No skin irritat irritation ailable information. : Rabbit : Irritation to ey	ves, reversing within 21 days
Speci Resul Serio Not cl <u>Comp</u> Benz Speci	es It us eye damage/eye lassified based on ava <u>ponents:</u> yl alcohol: les It	: Rabbit : No skin irritat irritation ailable information. : Rabbit	ves, reversing within 21 days
Speci Resul Serio Not cl Comp Benz Speci Resul Metho Pyrid	les lt us eye damage/eye lassified based on ava <u>ponents:</u> yl alcohol: les lt pd	: Rabbit : No skin irritat irritation ailable information. : Rabbit : Irritation to ey : OECD Test G	ves, reversing within 21 days
Speci Resul Serio Not cl <u>Comp</u> Benz Speci Resul Metho	les lt us eye damage/eye lassified based on ava <u>ponents:</u> yl alcohol: les lt bd lod loxine hydrochloride	: Rabbit : No skin irritat irritation ailable information. : Rabbit : Irritation to ey : OECD Test G	ves, reversing within 21 days Guideline 405
Speci Resul Serio Not cl Comr Benz Speci Resul Metho Speci Resul	les lt us eye damage/eye lassified based on ava <u>ponents:</u> yl alcohol: les lt bd lod loxine hydrochloride	: Rabbit : No skin irritat irritation ailable information. : Rabbit : Irritation to ey : OECD Test C : : Rabbit : No eye irritati	ves, reversing within 21 days Guideline 405
Speci Resul Serio Not cl Comp Benzy Speci Resul Metho Speci Resul Resul Resul	les lt us eye damage/eye lassified based on ava <u>ponents:</u> yl alcohol: les lt od loxine hydrochloride les lt iratory or skin sensi sensitisation	: Rabbit : No skin irritat irritation ailable information. : Rabbit : Irritation to ey : OECD Test C : : Rabbit : No eye irritati	ves, reversing within 21 days Guideline 405
Speci Resul Serio Not cl Comp Benz Speci Resul Metho Speci Resul Resul Resul Speci Resul Speci Resul	les lt us eye damage/eye lassified based on ava <u>ponents:</u> yl alcohol: les lt od loxine hydrochloride les lt iratory or skin sensi sensitisation lassified based on ava	 : Rabbit : No skin irritat irritation ailable information. : Rabbit : Irritation to ey : OECD Test O : Rabbit : No eye irritati itisation 	ves, reversing within 21 days Guideline 405
Speci Resul Serio Not cl Comp Benzy Speci Resul Metho Speci Resul Resp Skin s Not cl Resp	les lt us eye damage/eye lassified based on ava <u>ponents:</u> yl alcohol: les lt od loxine hydrochloride les lt iratory or skin sensi sensitisation	 Rabbit No skin irritat irritation ailable information. Rabbit Irritation to ey OECD Test Context Rabbit No eye irritati itisation 	ves, reversing within 21 days Guideline 405
Speci Resul Serio Not cl Comp Benz Speci Resul Metho Speci Resul Resul Resul Skin Not cl Resp Not cl	les lt us eye damage/eye lassified based on ava <u>ponents:</u> yl alcohol: les lt od loxine hydrochloride les lt iratory or skin sensi sensitisation lassified based on ava iratory sensitisation	 Rabbit No skin irritat irritation ailable information. Rabbit Irritation to ey OECD Test Context Rabbit No eye irritati itisation 	ves, reversing within 21 days Guideline 405
Speci Resul Serio Not cl Comp Benzy Speci Resul Metho Speci Resul Resul Resul Resul Skin s Not cl Resp Not cl Comp	les lassified based on ava <u>conents:</u> yl alcohol: les lt bod loxine hydrochloride les lt iratory or skin sensi sensitisation lassified based on ava iratory sensitisation lassified based on ava	 Rabbit No skin irritat irritation ailable information. Rabbit Irritation to ey OECD Test Context Rabbit No eye irritati itisation 	ves, reversing within 21 days Guideline 405
Speci Resul Serio Not cl Comr Benz Speci Resul Metho Speci Resul Resul Skin Skin Not cl Resp Not cl Comr Benz Test	les lassified based on avain ponents: yl alcohol: les lt bd loxine hydrochloride les lt iratory or skin sensities sensitisation lassified based on avain lassified babased on avain lassified based on avain lassif	 Rabbit No skin irritat irritation ailable information. Rabbit Irritation to ey OECD Test Context Rabbit No eye irritati itisation 	ves, reversing within 21 days Buideline 405 on





sion	Revision Date: 2024/07/06	-	S Number: 48880-00011	Date of last issue: 2024/04/06 Date of first issue: 2019/05/06
Metho Resul		:	OECD Test Gu negative	ideline 406
Pyrid	oxine hydrochloride	e:		
Test 7	Гуре	:	Maximisation T	est
	sure routes	:	Skin contact	
Speci		:	Guinea pig	
Metho Resul		:	OECD Test Gu negative	Ideline 406
Germ	cell mutagenicity			
Not cl	assified based on av	ailable i	information.	
<u>Comp</u>	oonents:			
	yl alcohol:			
Geno	toxicity in vitro	:	Test Type: Bac Result: negativ	terial reverse mutation assay (AMES) e
Geno	toxicity in vivo	:	cytogenetic ass Species: Mous	e . ite: Intraperitoneal injection
Ribof	lavin 5'-(sodium hy	drogen	phosphate):	
Geno	toxicity in vitro	:	Method: OECD Result: negativ	
			Remarks: Base	d on data from similar materials
			Test Type: Chr Method: OECD Result: negativ	omosome aberration test in vitro Test Guideline 473
				e od on data from similar materials
Pyrid	oxine hydrochloride	e:		
Geno	toxicity in vitro	:	Test Type: Bac Result: negativ	terial reverse mutation assay (AMES) e
C	ocobalamin:			
Cyan	toxicity in vitro		Test Type: Bac	terial reverse mutation assay (AMES)

Not classified based on available information.



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<u>Con</u>	nponents:			
Ben	zyl alcohol:			
Spe		:	Mouse	
	lication Route osure time	:	Ingestion 103 weeks	
Met	nod	:	OECD Test Guid	eline 451
Res	ult	:	negative	
Rep	roductive toxicity			
Not	classified based on avai	lable	information.	
<u>Con</u>	nponents:			
Ben	zyl alcohol:			
Effe	cts on fertility	:		ty/early embryonic development
			Species: Rat Application Route	e: Ingestion
			Result: negative	-
			Remarks: Based	on data from similar materials
	cts on foetal develop-	:		vo-foetal development
men	I		Species: Mouse Application Route	e: Ingestion
			Result: negative	
Pyri	doxine hydrochloride:			
Effe	cts on foetal develop-	:		yo-foetal development
men	t		Species: Rat	
			Application Route Result: negative	e. Ingestion
			5	
	T - single exposure			
	classified based on avai		information.	
	OT - repeated exposure classified based on avai		information.	
Rep	eated dose toxicity			
<u>Con</u>	nponents:			
Ben	zyl alcohol:			
Spe		:	Rat	
NOA	EL	:	1.072 mg/l	iot/fume)

NOAEL	: 1.072 mg/l
Application Route	: inhalation (dust/mist/fume)
Exposure time	: 28 Days
Method	: OECD Test Guideline 412

: Rat

Riboflavin 5'-(sodium hydrogen phosphate):

Species	
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A E M		tion Route re time	: : : : : : : : : : : : : : : : : : : :	 > 100 mg/kg Ingestion 13 Weeks OECD Test Guide Based on data from 	eline 408 om similar materials
	Aspiration toxicity Not classified based on available information.				
	COLO	GICAL INFORMATION	N		
		onents:			
		alcohol:			
	-	to fish	:	LC50 (Pimephale Exposure time: 96	s promelas (fathead minnow)): 460 mg/l 5 h
		to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD T	
	oxicity lants	to algae/aquatic	:	EC50 (Pseudokiro mg/l Exposure time: 72 Method: OECD T	
				NOEC (Pseudokin mg/l Exposure time: 72 Method: OECD T	
a		to daphnia and other invertebrates (Chron- ty)	:	NOEC (Daphnia r Exposure time: 2' Method: OECD T	
R	libofla	vin 5'-(sodium hydro	gen	phosphate):	
T	oxicity	to fish	:	Exposure time: 96	s promelas (fathead minnow)): > 64.3 mg/l 5 h on data from similar materials
		to daphnia and other invertebrates	:	Exposure time: 48	nagna (Water flea)): > 47.4 mg/l 3 h on data from similar materials
P	yrido	kine hydrochloride:			
	-	to fish	:	LC50 (Oncorhync Exposure time: 96	hus mykiss (rainbow trout)): > 100 mg/l 5 h
				⊏xposure time: 96) []



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		r to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48	agna (Water flea)): > 100 mg/l 3 h
	Cyanoo Toxicity	cobalamin: ^y to fish	:	Exposure time: 14	hus mykiss (rainbow trout)): > 1 - 10 mg/l ł d on data from similar materials
		to daphnia and other invertebrates	:	Exposure time: 48	nia dubia (water flea)): > 10 - 100 mg/l 3 h on data from similar materials
	Toxicity plants	v to algae/aquatic	:	Exposure time: 72	parvula (marine algae)): > 0.1 - 1 mg/l 2 h on data from similar materials
				Exposure time: 7	nor (common duckweed)): > 0.1 - 1 mg/l d on data from similar materials
		or (Acute aquatic tox-	:	1	
	icity) Toxicity icity)	to fish (Chronic tox-	:	Exposure time: 16	o (zebra fish)): > 1 mg/l 5 d on data from similar materials
		to daphnia and other invertebrates (Chron- ty)	:	Exposure time: 28	nagna (Water flea)): > 0.1 - 1 mg/l 3 d on data from similar materials
	Persist	ence and degradabili	ty		
	Compo	onents:			
	-	alcohol: radability	:	Result: Readily bi Biodegradation: 9 Exposure time: 14	92 - 96 %
		n vin 5'-(sodium hydro radability	gen :	Result: Readily bi	odegradable. on data from similar materials
	-	xine hydrochloride: radability	:	Result: Readily bi Biodegradation: 9 Exposure time: 28 Method: OECD T	94 %





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Bioad	cumulative potential		
	oonents:		
Benzy	yl alcohol:		
Partiti	on coefficient: n- ol/water	: log Pow: 1.05	
Ribof	lavin 5'-(sodium hydr	ogen phosphate):	
	on coefficient: n- ol/water	: log Pow: -0.65 Remarks: Calc	
Pyrid	oxine hydrochloride:		
Partiti	on coefficient: n- ol/water	: log Pow: 4.32	
Mobil	lity in soil		
No da	ita available		
Other	adverse effects		
No da	ita available		
	SAL CONSIDERATIO	NS	
. DISPO Dispo	PSAL CONSIDERATIO	: Do not dispose	e of waste into sewer.
Dispo Waste	osal methods	 Do not dispose Dispose of in a Empty contained dling site for red 	accordance with local regulations.
Dispo Dispo Waste Conta	osal methods e from residues	 Do not dispose Dispose of in a Empty contained dling site for realing site for realing site for realing 	nccordance with local regulations. ers should be taken to an approved waste han ccycling or disposal.
Dispo Dispo Waste Conta	osal methods e from residues aminated packaging	 Do not dispose Dispose of in a Empty contained dling site for realing site for realing site for realing 	nccordance with local regulations. ers should be taken to an approved waste han cycling or disposal.
Dispo Dispo Waste Conta	osal methods e from residues aminated packaging SPORT INFORMATION national Regulations	 Do not dispose Dispose of in a Empty contained dling site for realing site for realing site for realing 	nccordance with local regulations. ers should be taken to an approved waste han cycling or disposal.
Dispo Dispo Waste Conta . TRANS Interr UNRT	osal methods e from residues aminated packaging SPORT INFORMATION national Regulations	 Do not dispose Dispose of in a Empty contained dling site for real of not otherwise N N N Applicable	nccordance with local regulations. ers should be taken to an approved waste han cycling or disposal.
Dispo Dispo Waste Conta . TRANS Interr UNRT UNRT UN nu Prope	osal methods e from residues aminated packaging SPORT INFORMATION national Regulations IDG umber er shipping name	 Do not dispose Dispose of in a Empty contained dling site for real of not otherwise Not applicable Not applicable 	nccordance with local regulations. ers should be taken to an approved waste han cycling or disposal.
Dispo Dispo Waste Conta . TRANS Interr UNRT UNRT UNRT UNRT Class	osal methods e from residues aminated packaging SPORT INFORMATION national Regulations IDG umber er shipping name	 Do not dispose Dispose of in a Empty containe dling site for re If not otherwise Not applicable Not applicable Not applicable 	nccordance with local regulations. ers should be taken to an approved waste han cycling or disposal.
DISPO Dispo Waste Conta Conta Interr UNRT UNRT UNRT Class Subsi	osal methods e from residues aminated packaging SPORT INFORMATION national Regulations IDG umber er shipping name	 Do not dispose Dispose of in a Empty contained dling site for real of not otherwise Not applicable Not applicable 	nccordance with local regulations. ers should be taken to an approved waste han cycling or disposal.
Dispo Dispo Waste Conta Conta	osal methods e from residues aminated packaging SPORT INFORMATION national Regulations FDG umber er shipping name diary risk ng group s	 Do not dispose Dispose of in a Empty containe dling site for re If not otherwise Not applicable Not applicable Not applicable Not applicable Not applicable 	nccordance with local regulations. ers should be taken to an approved waste han cycling or disposal.
Dispo Dispo Waste Conta Conta	osal methods e from residues aminated packaging SPORT INFORMATION national Regulations TDG umber er shipping name diary risk ng group s onmentally hazardous	 Do not dispose Dispose of in a Empty contained dling site for real of not otherwise Not applicable 	nccordance with local regulations. ers should be taken to an approved waste han cycling or disposal.
DISPO Dispo Waste Conta Conta Interr UNRT UNRT UNRT UNRT Class Subsi Packi Label: Enviro	osal methods e from residues aminated packaging SPORT INFORMATION national Regulations TDG umber er shipping name diary risk ng group s onmentally hazardous	 Do not dispose Dispose of in a Empty containe dling site for re If not otherwise Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable no Not applicable 	nccordance with local regulations. ers should be taken to an approved waste han cycling or disposal.
DISPO Dispo Waste Conta C	e from residues minated packaging SPORT INFORMATION national Regulations TDG umber er shipping name diary risk ng group s onmentally hazardous -DGR 0 No. er shipping name	 Do not dispose Dispose of in a Empty contained dling site for real of not otherwise Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable no Not applicable no 	nccordance with local regulations. ers should be taken to an approved waste han cycling or disposal.
DISPO Dispo Waste Conta C	e from residues aminated packaging SPORT INFORMATION national Regulations TDG umber er shipping name diary risk ng group s onmentally hazardous DGR 0 No. er shipping name	 Do not dispose Dispose of in a Empty contained dling site for real of not otherwise Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable no Not applicable no Not applicable 	nccordance with local regulations. ers should be taken to an approved waste han cycling or disposal.
DISPO Dispo Waste Conta C	e from residues aminated packaging SPORT INFORMATION national Regulations TDG umber er shipping name diary risk ng group s onmentally hazardous DGR 0 No. er shipping name diary risk	 Do not dispose Dispose of in a Empty contained dling site for real of not otherwise Not applicable Not applicable Not applicable Not applicable Not applicable no Not applicable no Not applicable 	nccordance with local regulations. ers should be taken to an approved waste han cycling or disposal.
Dispo Dispo Waste Conta Conta . Conta . C	e from residues aminated packaging SPORT INFORMATION national Regulations TDG umber er shipping name diary risk ng group s onmentally hazardous -DGR 0 No. er shipping name diary risk ng group	 Do not dispose Dispose of in a Empty contained dling site for real of not otherwise Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable no Not applicable no Not applicable 	nccordance with local regulations. ers should be taken to an approved waste han ccycling or disposal.



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	ift) ing instruction (passen- ircraft)	: Not applicable		
UN n Prope Class Subs Packi Label EmS	idiary risk ng group	 Not applicable 		
Trans	sport in bulk according	g to Annex II of MAR	POL 73/	78 and the IBC Code
Not a	pplicable for product as	supplied.		
-	ial precautions for use pplicable	er		
Safet ture	-	nental regulations/le	-	n specific for the substance or m
Safet ture Minis ter of tem of Regu	ty, health and environn ster of Industry Regula f Industry Regulation N of Classification and La Ilation of the Minister o	nental regulations/le tion No. 23/M-IND/PE No. 87/M-IND/PER/9/2 abelling of Chemical	ER/4/201 2009 con s.	n specific for the substance or m 3 concerning the Revision of Mir acerning Globally Harmonized Sy the Safeguarding of Substances
Safet ture Minis ter of tem o Regu Haza	ty, health and environr ster of Industry Regula f Industry Regulation N of Classification and La	nental regulations/le ation No. 23/M-IND/PE No. 87/M-IND/PER/9/2 abelling of Chemical of Health No. 472 of 4	ER/4/201 2009 con s.	3 concerning the Revision of Mir acerning Globally Harmonized Sy
Safet ture Minis ter of tem o Regu Haza Haza	ey, health and environm ster of Industry Regula f Industry Regulation N of Classification and La clation of the Minister of rdous to Health rdous substances that n	nental regulations/le ation No. 23/M-IND/PE No. 87/M-IND/PER/9/2 abelling of Chemical of Health No. 472 of 7 nust be registered	ER/4/201 2009 con s. I996 on :	3 concerning the Revision of Mir ocerning Globally Harmonized Sy the Safeguarding of Substances
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DS	βL	:	not determined	
IEC	CSC	:	not determined	
16. OTH	IER INFORMATION			
Re	vision Date	:	2024/07/06	
Fu	rther information			
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Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Date format : yyyy/mm/dd

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



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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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