

Version Revision Date: 1.0 25.02.2020 SDS Number: S1281633 This version replaces all previous versions.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name	:	APRON XL 350 ES
Design code	:	A9642C
Product Registration Number	:	Pfl.Reg.Nr. 3779

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

Use of the	:	Fungicide, Seed treatment
Substance/Mixture		

1.3 Details of the supplier of the safety data sheet

Company	:	Syngenta Agro GmbH Anton-Baumgartner-Strasse 125/2/3/1 A-1230 Wien Austria
Telephone	:	+43 (0)1 6623130 600
Telefax	:	+43 1 6623130250
E-mail address of person responsible for the SDS	:	franz.michlits@syngenta.com

1.4 Emergency telephone number

Emergency telephone	:	0800 43 577 96 (HELPSYN)
number		Vergiftungsinformationszentrale in Wien, TelNr.: 01-4064343

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.				
Eye irritation, Category 2	H319: Causes serious eye irritation.				



Version	Revision Date:
1.0	25.02.2020

SDS Number: S1281633

This version replaces all previous versions.

2.2 Label elements

Labelling (REGULATION Hazard pictograms	(EC) :	No 1272/2008)
Signal word	:	Warning
Hazard statements	:	H302 Harmful if swallowed.H319 Causes serious eye irritation.
Supplemental Hazard Statements	:	For professional users only.
Statements		EUH401 To avoid risks to human health and the environment, comply with the instructions for use.
		EUH208 Contains 1,2-benzisothiazol-3-one. May produce an allergic reaction.
Precautionary statements :	P101 If medical advice is needed, have product container or label at hand.P102 Keep out of reach of children.	
		 Prevention: P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P284 Wear respiratory protection.
		Response: P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. P337 + P313 If eye irritation persists: Get medical advice/ attention. P391 Collect spillage.
		Disposal: P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label: metalaxyl-M (ISO)

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.



Version Revision Date: 1.0 25.02.2020 SDS Number: S1281633

This version replaces all previous versions.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No.	Classification	Concentration
	EC-No.		(% w/w)
	Index-No.		
	Registration number		
metalaxyl-M (ISO)	70630-17-0	Acute Tox. 4; H302	>= 30 - < 50
		Eye Dam. 1; H318	
	612-163-00-0		
poly(oxy-1,2-ethanediyl), -[2,4,6-	99734-09-5	Aquatic Chronic 3;	>= 2,5 - < 10
tris(1-phenylethyl)phenyl]		H412	
hydroxy-			
1,2-benzisothiazol-3(2H)-one	2634-33-5	Acute Tox. 4; H302	>= 0,0025 - <
	220-120-9	Skin Irrit. 2; H315	0,025
	613-088-00-6	Eye Dam. 1; H318	
	01-2120761540-60	Skin Sens. 1; H317	
		Aquatic Acute 1;	
		H400	

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.



Version 1.0	Revision Date: 25.02.2020		OS Number: 281633	This version replaces all previous versions.
4.2 Most	important symptoms	and e	effects, both ac	ute and delayed
Syn	nptoms	:	Nonspecific No symptoms	known or expected.
4.3 Indic	ation of any immediate	e meo	dical attention a	and special treatment needed
Trea	atment	:	There is no spe Treat symptom	ecific antidote available. latically.
SECTIC	N 5: Firefighting mea	asur	es	
5.1 Extir	nguishing media			
Suit	able extinguishing media	a :	Use water spra carbon dioxide	nedia - large fires
Uns med	uitable extinguishing lia	:	Do not use a se fire.	olid water stream as it may scatter and spread
5.2 Spec	ial hazards arising fro	n the	e substance or	mixture
	cific hazards during ighting	:	will produce de products of cor	contains combustible organic components, fire ense black smoke containing hazardous nbustion (see section 10). ecomposition products may be a hazard to
5.3 Advi	ce for firefighters			
	cial protective equipmen irefighters	t:	Wear full prote apparatus.	ctive clothing and self-contained breathing
Furt	her information	:	courses.	in-off from fire fighting to enter drains or water ntainers exposed to fire with water spray.

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.



Version Revision Date: 1.0 25.02.2020

: SDS Number: S1281633

This version replaces all previous versions.

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, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Clean contaminated surface thoroughly. Clean with detergents. Avoid solvents. Retain and dispose 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 out of the reach of children. Keep away from food, drink and animal feedingstuffs.
Storage class (TRGS 510)	:	12, Non Combustible Liquids
Recommended storage temperature	:	0 - 35 °C

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
metalaxyl-M (ISO)	70630-17-0	TWA	5 mg/m3	Syngenta

8.2 Exposure controls

Engineering measures

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION AND



Version Revision Date: 1.0 25.02.2020 SDS Number: S1281633 This version replaces all previous versions.

PACKAGING OF THE PRODUCT. FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

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 protection	:	Tightly fitting safety goggles Always wear eye protection when the potential for inadvertent eye contact with the product cannot be excluded.
		Equipment should conform to EN 166
Hand protection		
Remarks	:	No special protective equipment required.
Skin and body protection	:	No special protective equipment required. Select skin and body protection based on the physical job requirements.
Respiratory protection	:	No personal respiratory protective equipment normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Protective measures	:	The use of technical measures should always have priority over the use of personal protective equipment. When selecting personal protective equipment, seek appropriate professional advice.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	:	clear
Colour	:	yellow
Odour	:	weak
Odour Threshold	:	No data available
рН	:	3 - 7 Concentration: 1 % w/v



Version 1.0	Revision Date: 25.02.2020		S Number: 281633	This version replaces all previous versions.
Melti	ing point/range	:	No data available	9
Boili	ng point/boiling range	:	> 90 °C (1.013,25 hPa)	
Flasl	h point	:	Method: Seta clo does not flash	sed cup
Evap	poration rate	:	No data available	9
Flam	nmability (solid, gas)	:	No data available	9
	er explosion limit / Upper mability limit	:	No data available	2
	er explosion limit / Lower mability limit	:	No data available	2
Vapo	our pressure	:	No data available	
Rela	tive vapour density	:	No data available	9
Dens	sity	:	1,07 g/cm3 (20 °	C)
	bility(ies) olubility in other solvents	:	Miscible	
	tion coefficient: n- nol/water	:	No data available	2
Auto	-ignition temperature	:	435 °C	
Deco	omposition temperature	:	No data available	9
Visco V	osity ïscosity, dynamic	:	44,2 mPa.s (20 °	C)
			16,2 mPa.s (40 °	C)
Expl	osive properties	:	Not explosive	
Oxid	izing properties	:	The substance o	r mixture is not classified as oxidizing.
9.2 Other	rinformation			
Surfa	ace tension	:	27,1 mN/m, 100	%, 20 °C

SECTION 10: Stability and reactivity

10.1 Reactivity

None reasonably foreseeable.



1.0	Revision Date: 25.02.2020		0S Number: 281633	This version replaces all previous versions.
10.2 Chemic Stable u	al stability nder normal condition	S.		
	lity of hazardous rea us reactions	ictio :		action known under conditions of normal use.
10.4 Condition	ons to avoid ns to avoid	:	No decompositio	n if used as directed.
-	atible materials s to avoid	:	None known.	
10.6 Hazardo	ous decomposition p	orod	ducts	
	us decomposition			ecomposition products are known.
11.1 Informa	tion on toxicologica	l ef	fects	
Informati exposure	ion on likely routes of		fects Ingestion Inhalation Skin contact Eye contact	
Informati exposure Acute to	ion on likely routes of e oxicity		Ingestion Inhalation Skin contact	
Informati exposure Acute to <u>Product</u>	ion on likely routes of e oxicity		Ingestion Inhalation Skin contact Eye contact	e): > 1.000 - < 3.000 mg/kg
Informati exposure Acute to <u>Product</u> Acute or	ion on likely routes of e oxicity		Ingestion Inhalation Skin contact Eye contact LD50 (Rat, female LD50 (Rat, male a	e): > 1.000 - < 3.000 mg/kg and female): > 4.000 mg/kg substance or mixture has no acute dermal
Informati exposure Acute to <u>Product</u> Acute or	ion on likely routes of e exicity al toxicity ermal toxicity		Ingestion Inhalation Skin contact Eye contact LD50 (Rat, female LD50 (Rat, male a Assessment: The	and female): > 4.000 mg/kg
Informati exposure Acute to Acute or Acute de <u>Compor</u>	ion on likely routes of e oxicity al toxicity ermal toxicity nents:		Ingestion Inhalation Skin contact Eye contact LD50 (Rat, female LD50 (Rat, male a Assessment: The	and female): > 4.000 mg/kg
Informati exposure Acute to Acute or Acute de <u>Compor</u> metalax	ion on likely routes of e exicity al toxicity ermal toxicity		Ingestion Inhalation Skin contact Eye contact LD50 (Rat, female LD50 (Rat, male a Assessment: The	and female): > 4.000 mg/kg substance or mixture has no acute dermal
Informati exposure Acute to Acute or Acute de <u>Compor</u> metalax	ion on likely routes of e e oxicity al toxicity ermal toxicity <u>nents:</u> yI-M (ISO):		Ingestion Inhalation Skin contact Eye contact LD50 (Rat, female LD50 (Rat, male a Assessment: The toxicity	and female): > 4.000 mg/kg substance or mixture has no acute dermal

Acute dermal toxicity : LD50 (Rat, male and female): > 2.000 mg/kg Assessment: The substance or mixture has no acute dermal



sion	Revision Date: 25.02.2020		DS Number: 1281633	This version replaces all previous version
			toxicity	
poly(oxy-1,2-ethanediyl)	, -[2,4,	6-tris(1-phenyle	ethyl)phenyl]hydroxy-:
Acute	oral toxicity	:	LD50 Oral (Rat	t): 5.000 mg/kg
1,2-b	enzisothiazol-3(2H)	-one:		
Acute	oral toxicity	:	LD50 (Rat): 1.0	020 mg/kg
Skin	corrosion/irritation			
Prod				
Speci Resu		:	Rabbit No skin irritatio	n
•				
	ponents:			
meta Speci	laxyl-M (ISO):		Rabbit	
Resu		:	No skin irritatio	n
1,2-b	enzisothiazol-3(2H)	-one:		
Resu	t	:	Irritating to skir	1.
Serio	us eye damage/eye	irritat	ion	
Prod	uct:			
Speci Resu		:	Rabbit Irritation to eve	s, reversing within 21 days
		-		
<u>Com</u>	oonents:			
	laxyl-M (ISO):			
Speci Resu		:	Rabbit Risk of serious	damage to eyes.
1,2-b	enzisothiazol-3(2H)	-one:		
Resu		:	Risk of serious	damage to eyes.
Resp	iratory or skin sens	itisatio	on	
Prod	uct:			
Test ⁻ Speci		:	Buehler Test	
	~~		Guinea pig	



	Revision Date: 25.02.2020	SDS Number: S1281633	This version replaces all previous versior
<u>Com</u>	oonents:		
meta	laxyl-M (ISO):		
Speci	es	: Guinea pig	
Resu	t	: Did not caus	e sensitisation on laboratory animals.
1,2-b	enzisothiazol-3(2H)⋅	-one:	
Resu	t	: Probability of	r evidence of skin sensitisation in humans
Germ	cell mutagenicity		
<u>Com</u>	oonents:		
meta	laxyl-M (ISO):		
	cell mutagenicity- ssment	: Animal testin	ng did not show any mutagenic effects.
	oxy-1,2-ethanediyl), cell mutagenicity-		ylethyl)phenyl]hydroxy-:
	ssment	: In vitro tests	did not show mutagenic effects
Asses			and not show mutagenic enects
Asses Carci	ssment	: In vitro tests	and not show mutagenic enects
Asses Carci <u>Com</u>	nogenicity	: In vitro tests	and not show mutagenic enects
Asses Carci Com metal Carci	nogenicity ponents:		of carcinogenicity in animal studies.
Asses Carci Comj meta Carcii Asses	nogenicity ponents: laxyl-M (ISO): nogenicity -		
Asses Carci Comj metal Carcii Asses Repro	ssment nogenicity <u>conents:</u> laxyl-M (ISO): nogenicity - ssment		
Asses Carci Comj metal Carcin Asses Repro	assment nogenicity <u>ponents:</u> laxyl-M (ISO): nogenicity - assment poductive toxicity		
Asses Carci Comj metal Carcii Asses Repro	assment nogenicity ponents: laxyl-M (ISO): nogenicity - ssment poductive toxicity ponents:	: No evidence	
Asses Carci Com metal Carci Asses Repro Com metal Repro Asses	assment nogenicity ponents: laxyl-M (ISO): nogenicity - ssment poductive toxicity ponents: laxyl-M (ISO): poductive toxicity -	: No evidence : No toxicity to	of carcinogenicity in animal studies.
Asses Carci Comj metal Carcii Asses Repro Comj metal Repro Asses STOT	assment nogenicity <u>ponents:</u> laxyl-M (ISO): nogenicity - ssment poductive toxicity ponents: laxyl-M (ISO): poductive toxicity - ssment	: No evidence : No toxicity to	of carcinogenicity in animal studies.
Asses Carci Comp metal Carcin Asses Repro Comp metal Repro Asses STOT	ssment nogenicity <u>ponents:</u> laxyl-M (ISO): nogenicity - ssment poductive toxicity <u>ponents:</u> laxyl-M (ISO): poductive toxicity - ssment - repeated exposure	: No evidence : No toxicity to	of carcinogenicity in animal studies.



Version Revision Date: 1.0 25.02.2020 SDS Number: S1281633

This version replaces all previous versions.

SECTION 12: Ecological information

12.1 Toxicity

Product:		
Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 54,4 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	ErC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l Exposure time: 72 h
		NOEC (Desmodesmus subspicatus (green algae)): 32 mg/l Exposure time: 72 h
Components:		
metalaxyl-M (ISO):		
Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	ErC50 (Pseudokirchneriella subcapitata (green algae)): 271 mg/l Exposure time: 96 h
		NOEC (Pseudokirchneriella subcapitata (green algae)): 19,7 mg/l End point: Growth rate Exposure time: 96 h
Toxicity to microorganisms	:	EC50 (activated sludge): > 100 mg/l Exposure time: 3 h
Toxicity to fish (Chronic toxicity)	:	NOEC: 50 mg/l Exposure time: 28 d Species: Oncorhynchus mykiss (rainbow trout)
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC: 25 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea)
naly/axy 1.2 otheradiy) 50		f trio/1 nhonylothyl)nhonyl] hydroyy
poly(oxy-1,2-ethanediyi), -[2 Toxicity to fish	: ,4, :	6-tris(1-phenylethyl)phenyl]hydroxy-: LC50 (Danio rerio (zebra fish)): 21 mg/l Exposure time: 96 h



Version 1.0	Revision Date: 25.02.2020		DS Number: This version replaces all previous versions. 1281633
	toxicology Assessment onic aquatic toxicity	:	Harmful to aquatic life with long lasting effects.
1,2-	benzisothiazol-3(2H)-on	e:	
	toxicology Assessment te aquatic toxicity		Very toxic to aquatic life.
12.2 Per	sistence and degradabil	ity	
Con	nponents:		
	alaxyl-M (ISO): legradability	:	Result: Not readily biodegradable.
Stat	pility in water	:	Degradation half life: 22,4 - 47,5 d Remarks: Product is not persistent.
2.3 Bio	accumulative potential		
Con	nponents:		
	alaxyI-M (ISO): accumulation	:	Remarks: Low bioaccumulation potential.
	ition coefficient: n- nol/water	:	log Pow: 1,71 (25 °C)
2.4 Mol	pility in soil		
Con	nponents:		
Dist	alaxyl-M (ISO): ribution among ronmental compartments	:	Remarks: Metalaxyl has a range from low to very high mobility in soil depending on soil type.
Stat	pility in soil	:	Dissipation time: < 50 d Percentage dissipation: 50 % (DT50) Remarks: Product is not persistent.
2.5 Res	ults of PBT and vPvB as	sse	ssment
	duct:		

Assessment	:	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
		-



ersion 0	Revision Date: 25.02.2020	SDS Number: S1281633	This version replaces all previous versions
Com	oonents:		
meta	laxyl-M (ISO):		
Asses	ssment	bioaccumulati	e is not considered to be persistent, ng and toxic (PBT) This substance is not be very persistent and very bioaccumulating
poly(oxy-1,2-ethanediyl),	-[2,4,6-tris(1-phenyl	lethyl)phenyl]hydroxy-:
Asses	ssment	bioaccumulati	e is not considered to be persistent, ng and toxic (PBT) This substance is not be very persistent and very bioaccumulating
	r adverse effects ata available		
ECTION	13: Disposal cons	iderations	
	I 13: Disposal cons e treatment methods	: Do not contan chemical or us Do not dispos Where possib incineration.	e of waste into sewer. le recycling is preferred to disposal or not practicable, dispose of in compliance with
3.1 Wast	I 13: Disposal cons e treatment methods	: Do not contan chemical or us Do not dispos Where possib incineration. If recycling is local regulatio	sed container. e of waste into sewer. le recycling is preferred to disposal or not practicable, dispose of in compliance with
3.1 Wast Produ	I 13: Disposal cons e treatment methods	 Do not contan chemical or us Do not dispos Where possib incineration. If recycling is not local regulation Hazardous wa 53103 Empty remain Triple rinse co Empty contain handling site f 	sed container. e of waste into sewer. le recycling is preferred to disposal or not practicable, dispose of in compliance with ns. aste according to ÖNORM S 2100, key code ing contents.

SECTION 14: Transport information

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good



Version	Revision Date:
1.0	25.02.2020

SDS Number: S1281633

This version replaces all previous versions.

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Remarks

Not classified as dangerous in the meaning of transport 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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	:	Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	:	Not applicable
Regulation (EC) No 850/2004 on persistent organic pollutants	:	Not applicable
Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals	:	Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. Not applicable

Other regulations:

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

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.



Version 1.0	Revision Date: 25.02.2020	SDS Number: S1281633	This version replaces all previous versions.
H400 H412			o aquatic life. aquatic life with long lasting effects.
Full t	ext of other abbrevi	ations	
•	tic Acute tic Chronic Dam. Irrit.		(acute) aquatic hazard chronic) aquatic hazard e damage n

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; 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; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification of the	e mixture:	Classification procedure:
Acute Tox. 4	H302	Based on product data or assessment
Eye Irrit. 2	H319	Based on product data or assessment

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 given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is



Version Revision Date: 1.0 25.02.2020 SDS Number: S1281633 This version replaces all previous versions.

not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

AT / EN