# **Basfoliar Advance N**



Version	Revision Date:	SDS Number:	Date of last issue: 25.01.2025
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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

### **1.1 Product identifier**

Trade name	:	Basfoliar Advance N
Unique Formula Identifier (UFI)	:	KGT5-20MU-N00H-9T88

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

Use of the Sub-	:	Fertiliser
stance/Mixture		

### 1.3 Details of the supplier of the safety data sheet

Company	:	COMPO EXPERT GmbH Krögerweg 10 D-48155 Münster
Telephone	:	+49 (0) 251 29 79 81 – 000
Telefax	:	+49 (0) 251 29 79 81 - 111
E-mail address of person responsible for the SDS	:	info@compo-expert.com

### 1.4 Emergency telephone number

GBK GmbH - Global Regulatory Compliance - 24h Telephone:+49 (0) 6132 - 84463

### **SECTION 2: Hazards identification**

### 2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)						
Eye irritation, Category 2	H319: Causes serious eye irritation.					
Long-term (chronic) aquatic hazard, Cat- egory 3	H412: Harmful to aquatic life with long lasting effects.					

### 2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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Hazaı	rd pictograms	:		
Signa	l word	:	Warning	
Hazai	Hazard statements		H319 H412	Causes serious eye irritation. Harmful to aquatic life with long lasting effects.
Preca	utionary statements	:	Prevention P264 P280	: Wash skin thoroughly after handling. Wear eye protection/ face protection.
			<b>Response:</b> P305 + P35 P337 + P31	<ul> <li>1 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>3 If eye irritation persists: Get medical advice/</li> </ul>
			<b>Disposal:</b> P501	attention. Dispose of contents/ container to an approved waste disposal plant.

### 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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### **SECTION 3: Composition/information on ingredients**

### 3.2 Mixtures

Chemical nature : Inorganic fertiliser

### Components

Chemical name	CAS-No.	Classification	Concentration
	EC-No.		(% w/w)
	Index-No.		. ,
	Registration number		

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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Zinc	sulphate heptahydrate	7446-20-0 231-793-3 01-2119474684 XXXX	Acute Tox. 4; H302 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1 Acute toxicity esti- mate Acute oral toxicity: 1.710 mg/kg	>= 1 - < 2,5

For explanation of abbreviations see section 16.

### **SECTION 4: First aid measures**

### 4.1 Description of first aid measures

General advice	:	Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
Protection of first-aiders	:	First Aid responders should pay attention to self-protection and use the recommended protective clothing If potential for exposure exists refer to Section 8 for specific personal protective equipment.
If inhaled	:	If breathed in, move person into fresh air. If symptoms persist, call a physician.
In case of skin contact	:	Wash off immediately with plenty of water. Take off all contaminated clothing immediately. If symptoms persist, call a physician.
In case of eye contact	:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. If eye irritation persists, consult a specialist.
If swallowed	:	Keep respiratory tract clear. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

#### SAFETY DATA SHEET according to Regulation (EC) No. 1907/200

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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4.2 Most	important symptoms a	nd e	effects, both acu	te and delayed
Sym	ptoms	:	: Ingestion may provoke the following symptoms: Methaemoglobinemia	
Risks		:	Causes serious	eye irritation.
4.3 Indica	ation of any immediate	me	dical attention a	nd special treatment needed
Treat	tment	:	Treat symptoma	atically.
			Motor	
	guishing media		Water	
	0 0		Dry chemical Water mist	
			Use extinguishir	ng measures that are appropriate to local cir- t the surrounding environment.
	itable extinguishing	:	High volume wa	
medi	a		Carbon dioxide Foam Sand	(CO2)
5.2 Speci	al hazards arising from	h the	e substance or n	nixture
	-			position can lead to release of irritating gase

• •p•••••• ••••••••••••••••••••••••••		
Specific hazards during fire- fighting	:	Thermal decomposition can lead to release of irritating gases and vapours. Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion prod- ucts	:	Nitrogen oxides (NOx) Carbon oxides
5.3 Advice for firefighters		
Special protective equipment for firefighters	:	Wear self-contained breathing apparatus for firefighting if nec- essary.
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.

### **SECTION 6: Accidental release measures**

6.1 Personal precautions, protective equipment and emergency procedures Personal precautions : Use personal protective equipment.

The product itself does not burn.

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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		Wash contami Avoid breathin For personal p	with skin, eyes and clothing. nated clothing before re-use. g dust. rotection see section 8. onsiderations see section 13.			
6.2 Enviro	onmental precautions					
Envir	onmental precautions	Prevent further If the product of	Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.			
6.3 Metho	ods and material for co	ntainment and clea	aning up			
Meth	ods for cleaning up	: Pick up and tra	Pick up and transfer to properly labelled containers.			
6.4 Refere	ence to other sections					
For persor	nal protection see sectio	n 8., For disposal co	onsiderations see section 13.			
SECTION	N 7: Handling and sto	orage				
7.1 Preca	utions for safe handlin	a				
	e on safe handling	: Avoid contact Wear personal Keep away fro Keep away fro Smoking, eatir plication area.	with skin and eyes. I protective equipment. m combustible material. m heat and sources of ignition. ng and drinking should be prohibited in the ap- se water in accordance with local and national			
Advic	e on protection against	: The product is	not flammable.			

Hygiene measures : Keep away from food, drink and animal feedingstuffs. Wash hands before eating, drinking, or smoking. Wash hands before breaks and at the end of workday.

### 7.2 Conditions for safe storage, including any incompatibilities

fire and explosion

Further information on stor- age conditions	:	Keep away from sources of ignition - No smoking. Keep away from direct sunlight. Protect from moisture.
Advice on common storage	:	Keep away from combustible materials. Keep away from strong acids. Keep away from strong bases. Keep away from food, drink and animal feedingstuffs.
Storage class (TRGS 510)	:	13

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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	er information on stor- tability	: Protect from	frost, heat and sunlight.
-	f <b>ic end use(s)</b> ific use(s)	: Not relevant	

### **SECTION 8: Exposure controls/personal protection**

### 8.1 Control parameters

### **Occupational Exposure Limits**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis			
silica gel	112926-00-	AGW (Inhalable	4 mg/m3	DE TRGS			
	8	fraction)	(Silica)	900			
	Further inform	nation: When there is	compliance with the OEL ar	nd biological			
	tolerance valu	ies, there is no risk c	of harming the unborn child	-			
		MAK (measured	0,02 mg/m3	DE DFG MAK			
		as the alveolate	_				
		fraction)					
	Further information: Damage to the embryo or foetus is unlikely when the						
	MAK value or	MAK value or the BAT value is observed					
Zinc sulphate hep-	7446-20-0	MAK (measured	0,1 mg/m3	DE DFG MAK			
tahydrate		as the alveolate					
		fraction)					
	Further inform	nation: Zinc chloride:	peak limit I(1), Damage to th	e embryo or			
	foetus is unlik	ely when the MAK va	alue or the BAT value is obse	erved			
		MAK (inhalable	2 mg/m3	DE DFG MAK			
		fraction)					
	Further information: Zinc chloride: peak limit I(1), Damage to the embryo or						
	foetus is unlikely when the MAK value or the BAT value is observed						

### 8.2 Exposure controls

### Personal protective equipment

Personal protective equipme	;III		
Eye/face protection	:	Safety glasses with side-shields	
Hand protection			
Material	:	Gloves	
Directive	:	Equipment should conform to EN 374	
Remarks	:	As the product is a mixture of several substances, the dura- bility of the glove materials cannot be calculated in advance and has to be tested before use.	
Skin and body protection	:	Long sleeved clothing	
Respiratory protection	:	In the case of dust or aerosol formation use respirator with an approved filter.	

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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			Equipment should	d conform to EN 14387
Filt	er type	:	Filter type P	
Protective measures :		:	Handle in accordance with good industrial hygiene and safety practice. Wash contaminated clothing before re-use.	

### **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Physical state	:	solid
Colour	:	yellow
Odour	:	none
Melting point/range	:	not determined
Boiling point/boiling range	:	not determined
Flammability	:	Will not burn
Upper explosion limit / Upper flammability limit	:	Not applicable
Lower explosion limit / Lower flammability limit	:	Not applicable
Flash point	:	Not applicable
Auto-ignition temperature	:	does not ignite
Decomposition temperature	:	> 130 °C To avoid thermal decomposition, do not overheat.
рН	:	ca. 4,5

Solubility(ies)

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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	Wa	ter solubility	:	soluble	
		on coefficient: n- ol/water	:	Not applicable	
	Densit	У	:	not determined	
	Bulk d	ensity	:	ca. 925 kg/m³	
		e characteristics rticle Size Distribution	:	D50 = 390 µm ± Measurement te	80 µm chnique: Sieve analysis
9.2	<b>Other i</b> Explos	nformation sives	:	Not explosive	
	Oxidiz	ing properties	:	The substance of	r mixture is not classified as oxidizing.
	Self-ig	nition	:	not auto-flamma	ble

### **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous rea	actio	ns
Hazardous reactions	:	None reasonably foreseeable. Heating can release hazardous gases.
10.4 Conditions to avoid		
Conditions to avoid	:	Hot surface(s) Direct sources of heat.
10.5 Incompatible materials		
Materials to avoid	:	Strong bases Organic materials

Strong acids

### **SAFETY DATA SHEET** according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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			Powdered met	als					
Haza produ	<b>0.6 Hazardous decomposition products</b> Hazardous decomposition       : Oxides of phosphorus         products       Nitrogen oxides (NOx)								
	N 11: Toxicological i			egulation (EC) No 1272/2008					
Acut	e <b>toxicity</b> d on available data, the								
	e oral toxicity	:	Acute toxicity es Method: Calcula	stimate: > 2.000 mg/kg ation method					
Com	ponents:								
	sulphate heptahydrate e oral toxicity	<b>:</b>		10 mg/kg armful if swallowed. drous substance					
Acute	e inhalation toxicity	:	Assessment: Th tion toxicity	ne substance or mixture has no acute inhala-					
Acute	e dermal toxicity	:	Assessment: Th toxicity	ne substance or mixture has no acute dermal					
-	<b>corrosion/irritation</b> d on available data, the	clas	sification criteria	are not met.					
<u>Com</u>	ponents:								
	sulphate heptahydrate ssment	<b>):</b> :	No skin irritatior	1					
Caus	ous eye damage/eye iri ses serious eye irritation. ponents:		on						
Zinc	sulphate heptahydrate	<b>:</b>	Risk of serious	damage to eyes.					

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Respi	ratory or skin sensiti	sation						
_	sensitisation							
	I on available data, the	classification crite	ria are not met.					
-	ratory sensitisation I on available data, the	classification crite	ria are not met					
	onents:							
	sulphate heptahydrat	e:						
	sment		use skin sensitisation.					
Asses	sment	: Does not cau	use respiratory sensitisation.					
	cell mutagenicity							
	l on available data, the	classification crite	ria are not met.					
	oonents:							
	sulphate heptahydrat cell mutagenicity- As- nent	: Weight of ev	Weight of evidence does not support classification as a germ cell mutagen.					
	n <b>ogenicity</b> I on available data, the	classification crite	ria are not met.					
<u>Comp</u>	oonents:							
	sulphate heptahydrat nogenicity - Assess-		ble as a human carcinogen.					
•	<b>oductive toxicity</b> I on available data, the	classification crite	ria are not met.					
Comp	oonents:							
	sulphate heptahydrat ductive toxicity - As- nent		reproduction					
		No effects or	n or via lactation					
	- single exposure I on available data, the	classification crite	ria are not met.					
Comp	oonents:							
	sulphate heptahydrat sment		ce or mixture is not classified as specific target					

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organ toxicant, single exposure.

### STOT - repeated exposure

Based on available data, the classification criteria are not met.

2

### **Components:**

### Zinc sulphate heptahydrate:

Assessment

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

### Aspiration toxicity

Based on available data, the classification criteria are not met.

### Components:

### Zinc sulphate heptahydrate:

No aspiration toxicity classification

### **11.2 Information on other hazards**

### Endocrine disrupting properties

### Product:

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### **SECTION 12: Ecological information**

### 12.1 Toxicity

Components:

Zinc sulphate heptahydrate:		
Toxicity to fish	:	LC50 : 315 µg/l Exposure time: 96 h
M-Factor (Acute aquatic tox- icity)	:	1
Toxicity to fish (Chronic tox- icity)	:	NOEC: 1.480 µg/l Exposure time: 30 d
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC: 14 - 718 µg/l Exposure time: 21 d

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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M-Factor (Chronic aquatic : 1 toxicity)

### 12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

#### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

#### Product:

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.

### 12.6 Endocrine disrupting properties

#### Product:

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 12.7 Other adverse effects

No data available

### **SECTION 13: Disposal considerations**

### 13.1 Waste treatment methods

Product

Do not flush into surface water or sanitary sewer system.
 Dispose of in accordance with local regulations.
 Waste codes should be assigned by the user based on the application for which the product was used.

Contaminated packaging : Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal. Empty containers retain residue and can be dangerous. according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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### **SECTION 14: Transport information**

14.1 UN number or ID number		
ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
IATA_P	:	Not regulated as a dangerous good
14.2 UN proper shipping name		
ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
IATA_P	:	Not regulated as a dangerous good
14.3 Transport hazard class(es)		
ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
IATA_P	:	Not regulated as a dangerous good
14.4 Packing group		
ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
IATA (Cargo)	:	Not regulated as a dangerous good
IATA_P (Passenger)	:	Not regulated as a dangerous good
14.5 Environmental hazards		
Not regulated as a dangerous	s go	od
14.6 Special precautions for use Not applicable	¥r	
14.7 Maritime transport in bulk a	3000	ording to IMO instruments
Regulatory basis Remarks	:	IMSBC Code Product is not allowed to be transported in bulk.

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### **SECTION 15: Regulatory information**

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	: Not applicable
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	: Not applicable
Regulation (EC) No 1005/2009 on substances that de- plete the ozone layer	: Not applicable
Regulation (EU) 2019/1021 on persistent organic pollu tants (recast)	- : Not applicable
REACH - List of substances subject to authorisation (Annex XIV)	: Not applicable
Regulation (EU) 2019/1148 on the marketing and use sives precursors	of explo-
This product is regulated by Regulation (EU) 2019/114 cious transactions, and significant disappearances and should be reported to the relevant national contact poin	d thefts
Seveso III: Directive 2012/18/EU of the Euro- pean Parliament and of the Council on the control of major-accident hazards involving dangerous substances.	Not applicable
Water hazard class (Germa- : WGK 2 obviously han ny) Classification accord	azardous to water ding to AwSV, Annex 1 (5.2)

#### 15.2 Chemical safety assessment

Not relevant

### **SECTION 16: Other information**

#### Full text of H-Statements

H302 :	Harmful if swallowed.
H318 :	Causes serious eye damage.
H400 :	Very toxic to aquatic life.
H410 :	Very toxic to aquatic life with long lasting effects.

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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### Full text of other abbreviations

Acute Tox.	:	Acute toxicity
Aquatic Acute	:	Short-term (acute) aquatic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Eye Dam.	:	Serious eye damage
DE DFG MAK	:	Germany. MAK BAT Annex IIa
DE TRGS 900	:	Germany. TRGS 900 - Occupational exposure limit values.
DE DFG MAK / MAK	:	MAK value
DE TRGS 900 / AGW	:	Time Weighted Average

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; 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 m	ixture:	Classification procedure:	
Eye Irrit. 2	H319	Calculation method	
Aquatic Chronic 3	H412	Calculation method	





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

DE / EN