

VALDOR FLEX

1.1 Product identifier

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

Trade name	: VALDOR	FLEX							
Product code		KU: 85334031 UVP: 05991179 tion: 102000013898							
1.2 Relevant identified uses of the	ne substance	or mixture and uses advised against							
Use of the Sub- stance/Mixture	: Herbicide	, Plant protection agent							
Recommended restrictions on use	: Not appli	cable							
1.3 Details of the supplier of the	safety data s	heet							
Company	3 place	ironmental Science FR S.A.S. Giovanni Da Verrazzano yon - France							
Telephone	: 00800 12	14 9451							
E-mail address of person responsible for the SDS	: service.cl	ients.es.france@envu.com							
1.4 Emergency telephone numb	er								
For Emergency or Spill call: +44 20 3807 3798 (24/7 multi									
IE: National Poisons Information Centre (for public): 01 809 2166									
IE: National Poisons Information Centre (for professionals): 01 809 2566									
SECTION 2: Hazards identific	ation								
2.4 Classification of the substan									
2.1 Classification of the substan									
Classification (REGULATION Eye irritation, Category 2	N (EC) No 127	72/2008) H319: Causes serious eye irritation.							
Short-term (acute) aquatic ha gory 1	zard, Cate-	H400: Very toxic to aquatic life.							
Long-term (chronic) aquatic h egory 1	azard, Cat-	H410: Very toxic to aquatic life with long lasting effects.							
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2.2 Label e	2.2 Label elements							
Label	Labelling (REGULATION (EC) No 1272/2008)							
Hazaro	d pictograms		$> \langle$					
Signal	word	: Warni	ng					
Hazaro	d statements	: H319 H410		serious eye irritation. c to aquatic life with long lasting effects.				
Preca	utionary statements	: Preve	ntion:					
		P264 P273 P280	Avoid rel	in thoroughly after handling. ease to the environment. e protection/ face protection.				
		Respo	onse:					
		P337 attenti P391		eye irritation persists: Get medical advice/				
		Dispo		5				
		P501 dispos	Dispose al plant.	of contents/ container to an approved waste				
Additi FUH2	onal Labelling	sodium ma	leate May	produce an allergic reaction				

EUH208 Contains Disodium maleate. May produce an allergic reaction.

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

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

according to Regulation (EC) No. 1907/2006



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Chemical nature :	Water dispersible granu	ıles (WG)	
Components			
Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentra (% w/v
Diflufenican	83164-33-4 616-032-00-9	Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 10,000 M-Factor (Chronic aquatic toxicity): 1,000	35.996
		Acute toxicity esti- mate Acute oral toxicity: > 2,000 mg/kg	
AlkyInaphthalenesulfonic acid, polymer with formaldehyde, sodi- um salt	68425-94-5	Eye Irrit. 2; H319 Aquatic Chronic 3; H412	9
Aromatic hydrocarbons, C10-13, reaction products with branched nonene, sulfonated, sodium salts	1258274-08-6 01-2119980591-31	Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412	3.6
lodosulfuron-methyl-sodium	144550-36-7 616-108-00-1	Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 1,000 M-Factor (Chronic aquatic toxicity): 1,000	1.039
Disodium maleate	371-47-1	Skin Sens. 1B; H317	0.2

For explanation of abbreviations see section 16.



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SECTION 4: First aid measures

4.1 Description of first aid measures General advice In the case of accident or if you feel unwell, seek medical ad-: vice immediately. When symptoms persist or in all cases of doubt seek medical advice. Protection of first-aiders First Aid responders should pay attention to self-protection, : and use the recommended personal protective equipment when the potential for exposure exists (see section 8). If inhaled If inhaled, remove to fresh air. : Get medical attention if symptoms occur. In case of skin contact Wash with water and soap as a precaution. : Get medical attention if symptoms occur. In case of contact, immediately flush eyes with plenty of water In case of eye contact : for at least 15 minutes. If easy to do, remove contact lens, if worn. Get medical attention. If swallowed If swallowed, DO NOT induce vomiting. · Get medical attention if symptoms occur. Rinse mouth thoroughly with water. 4.2 Most important symptoms and effects, both acute and delayed Symptoms : No symptoms known or expected. Risks May produce an allergic reaction. : 4.3 Indication of any immediate medical attention and special treatment needed Treatment Treat symptomatically. : There is no specific antidote available. In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable. **SECTION 5: Firefighting measures**

5.1 Extinguishing media		
Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	High volume water jet



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5.2 Sp	becial hazards arising from	n the s	ubstance or mix	cture
	pecific hazards during fire- ghting	: E	xposure to comb	ustion products may be a hazard to health.
	lazardous combustion prod- cts	N C F N	Silicon oxides Aetal oxides Carbon oxides Fluorine compoun Jitrogen oxides (N Sulphur oxides	
5.3 Ad	lvice for firefighters			
	pecial protective equipment or firefighters			, wear self-contained breathing apparatus. ective equipment.
	pecific extinguishing meth- ds	c L F s	umstances and t Jse water spray to	measures that are appropriate to local cir- he surrounding environment. cool unopened containers. ed containers from fire area if it is safe to do

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8).
6.2 Environmental precautions		
Environmental precautions	:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up

employed in the cleanup of releases. You will need to de mine which regulations are applicable.		Methods for cleaning up	:	Sections 13 and 15 of this SDS provide information regardi	s- r-
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6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.



according to Regulation (EC) No. 1907/2006

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Technical measures	:	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	:	Use only with adequate ventilation.
Advice on safe handling	:	Do not swallow. Do not get in eyes. Avoid prolonged or repeated contact with skin. Wash skin thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure as- sessment Take care to prevent spills, waste and minimize release to the environment.
Hygiene measures	:	If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Wash contami- nated clothing before re-use.
Dust explosion class	:	St1
 7.2 Conditions for safe storage, i Requirements for storage areas and containers Advice on common storage 	:	 Iuding any incompatibilities Keep in properly labelled containers. Store in accordance with the particular national regulations. Do not store with the following product types: Strong oxidizing agents
7.3 Specific end use(s)		

Specific use(s) : Refer to the label and/or leaflet.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Kaolin	1332-58-7	TWA (Respirable dust)	2 mg/m3	GB EH40

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

Substance name	End Use	Exposure routes	Potential health ef-	Value
			fects	
Aromatic hydrocar-	Workers	Inhalation	Long-term systemic	21.16 mg/m3

according to Regulation (EC) No. 1907/2006



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	bons, C10-13, reac- tion products with branched nonene, sulfonated, sodium salts				effects	
-		Workers	Inhalation		Long-term local ef- fects	10 mg/m3
ĺ		Workers	Inhalation		Acute local effects	10 mg/m3
		Workers	Skin conta	act	Long-term systemic effects	3 mg/kg bw/day
		Consumers	Inhalation		Long-term systemic effects	7.46 mg/m3
		Consumers	Skin conta	act	Long-term systemic effects	2.143 mg/kg bw/day
		Consumers	Ingestion		Long-term systemic effects	2.143 mg/kg bw/day

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

Substance name	Environmental Compartment	Value
Aromatic hydrocarbons, C10-13,	Fresh water	0.138 mg/l
reaction products with branched		
nonene, sulfonated, sodium salts		
	Freshwater - intermittent	0.357 mg/l
	Marine water	0.0138 mg/l
	Sewage treatment plant	22 mg/l
	Fresh water sediment	44.1 mg/kg dry weight (d.w.)
	Marine sediment	4.41 mg/kg dry
		weight (d.w.)
	Soil	8.75 mg/kg dry
		weight (d.w.)

8.2 Exposure controls

Engineering measures

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

Personal protective equipment

Eye/face protection : Wear the following personal protective equipment: Safety goggles Equipment should conform to EN 166

Hand protection

Material Break through time	: Nitrile rubber : > 480 min
Glove thickness	: > 0.4 mm
Directive	: Equipment should conform to EN 374
Protective index	: Class 6
Remarks	: Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous sub- stance and specific to place of work. For special applications



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		aforementioned er. Wash hands Please observe breakthrough tin gloves. Also tak tions under whic	clarifying the resistance to chemicals of the protective gloves with the glove manufactur- before breaks and at the end of workday. the instructions regarding permeability and me which are provided by the supplier of the action consideration the specific local condi- ch the product is used, such as the danger of and the contact time.
Skin	and body protection	resistance data potential. Skin contact mu	ate protective clothing based on chemical and an assessment of the local exposure ust be avoided by using impervious protective , aprons, boots, etc).
Resp	piratory protection	sure assessme ommended guid	al exhaust ventilation is not available or expo- nt demonstrates exposures outside the rec- delines, use respiratory protection. uld conform to EN 143
F	ilter type	: Particulates typ	e (P)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	:	granules
Colour	:	beige
Odour	:	characteristic, very faint
Odour Threshold	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flammability (solid, gas)	:	Not classified as a flammability hazard
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	Not applicable
Auto-ignition temperature	:	No data available
Decomposition temperature	:	> 380 °C Decomposition energy (mass): 40 kJ/kg



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	рН		:	8.5 - 10.5 (23 °C Concentration: 1	
	Viscos Vis	sity cosity, kinematic	:	Not applicable	
		lity(ies) ater solubility	:	dispersible	
		on coefficient: n- ol/water	:	Not applicable	
	Vapou	r pressure	:	Not applicable	
	Relativ	e density	:	No data available)
	Bulk d	ensity	:	583 - 734 kg/m³	
	Relativ	e vapour density	:	Not applicable	
		e characteristics ticle size	:	No data available	
9.2		nformation			
	Explos	sives	:	Not explosive	
	Oxidiz	ing properties	:	The substance c	r mixture is not classified as oxidizing.
		nable solids ming number	:	2	
	Self-ig	nition	:	313.00 °C Method: Tested	according to Directive 92/69/EEC.
	Dust d	eflagration index (Kst)	:	78 m.b_/s	
	Dust e	xplosion class	:	St1	
	Evapor	ration rate	:	Not applicable	
	Minim	um ignition energy	:	> 1,000.00 mJ	

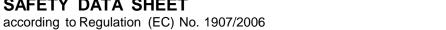
SECTION 10: Stability and reactivity

10.1 Reactivity

Not classified as a reactivity hazard.

10.2 Chemical stability

Stable under normal conditions.





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10.3 Poss	ibility of hazardous	reacti	ons	
	rdous reactions			strong oxidizing agents.
10.4 Cond	ditions to avoid			
Cond	itions to avoid	:	None known.	
10.5 Inco	mpatible materials			
Mate	rials to avoid	:	Oxidizing agen	ts
No ha	ardous decomposition azardous decomposition N 11: Toxicological	on pro	ducts are known.	
	nation on likely routes			egulation (EC) No 1272/2008
	e toxicity lassified based on ava uct:	ilable	information.	
	e oral toxicity	:	LD50 (Rat): > 5	,000 mg/kg
Acute	e dermal toxicity	:	LD50 (Rat): >2	,000 mg/kg
Com	ponents:			
Diflu	fenican:			
	e oral toxicity	:	Acute toxicity e Method: Expert	stimate (Rat): > 2,000 mg/kg judgement
Alkyl	naphthalenesulfonic	acid,	polymer with fo	ormaldehyde, sodium salt:
Acute	e oral toxicity	:	LD50 (Rat): >4	,500 mg/kg
	natic hydrocarbons, (salts:	C10-1:	3, reaction prod	ucts with branched nonene, sulfonated, so-
Acute	e oral toxicity	:	LD50 (Rat, male	e): 4,470 mg/kg
Acute	e dermal toxicity	:	LD50 (Rabbit):	> 2,000 mg/kg
lodo	sulfuron-methyl-sodiu	um:		
Acute	e oral toxicity	:	LD50 (Rat): 2,6	78 mg/kg
Acute	e inhalation toxicity	:	LC50 (Rat): > 2 Exposure time:	

according to Regulation (EC) No. 1907/2006



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		Tes	t atmosphe	re: dust/mist
Acute	e dermal toxicity	: LD5	50 (Rat): >2	2,000 mg/kg
Disod	lium maleate:			
Acute	e oral toxicity	: LD5	50 (Rat): 3,3	380 mg/kg
Acute	e dermal toxicity			female): > 2,000 mg/kg ed on data from similar materials
	corrosion/irritation			
	lassified based on av	allable infori	mation.	
Produ Speci		: Rab	shit	
Resul			skin irritatio	n
<u>Comp</u>	oonents:			
	atic hydrocarbons, salts:	C10-13, rea	action prod	ducts with branched nonene, sulfonated, s
Speci		: Rab		
Metho Resul			CD Test Gu n irritation	ideline 404
Serio	ous eye damage/eye	irritation		
Cause	es serious eye irritatio	on.		
<u>Produ</u>	uct:			
Speci	es	: Rab	obit	
Resul				
	t		ation to eye	s, reversing within 21 days
<u>Comp</u>	t ponents:		ation to eye	s, reversing within 21 days
-	oonents:	: Irrita	·	s, reversing within 21 days ormaldehyde, sodium salt:
-	<u>oonents:</u> naphthalenesulfonio	: Irrita	vmer with fo	
Alkylı Resul	<mark>ponents:</mark> naphthalenesulfonio t	: Irrita acid, poly : Irrita	mer with fo ation to eye	ormaldehyde, sodium salt: s, reversing within 21 days
Alkylı Resul	<u>ponents:</u> naphthalenesulfonio t atic hydrocarbons, salts:	: Irrita c acid, poly : Irrita C10-13, rea : Rat	mer with for ation to eye action prod	ormaldehyde, sodium salt: s, reversing within 21 days ducts with branched nonene, sulfonated, s
Alkyli Resul Arom dium Speci Metho	oonents: naphthalenesulfonio t atic hydrocarbons, salts: es od	: Irrita c acid, poly : Irrita C10-13, rea : Rat : OE	mer with fo ation to eye action prod obit CD Test Gu	ormaldehyde, sodium salt: s, reversing within 21 days ducts with branched nonene, sulfonated, s ideline 405
Alkyli Resul Arom dium Speci	oonents: naphthalenesulfonio t atic hydrocarbons, salts: es od	: Irrita c acid, poly : Irrita C10-13, rea : Rat : OE	mer with fo ation to eye action prod obit CD Test Gu	ormaldehyde, sodium salt: s, reversing within 21 days ducts with branched nonene, sulfonated, s
Alkylı Resul Arom dium Speci Metho Resul	oonents: naphthalenesulfonio t atic hydrocarbons, salts: es od	: Irrita c acid, poly : Irrita C10-13, rea : Rat : OE0 : Irrev	mer with fo ation to eye action prod obit CD Test Gu	ormaldehyde, sodium salt: s, reversing within 21 days ducts with branched nonene, sulfonated, s ideline 405
Alkyli Resul Arom dium Speci Metho Resul Respi Skin	oonents: naphthalenesulfonio t atic hydrocarbons, salts: es od t iratory or skin sensi sensitisation	: Irrita cacid, poly : Irrita C10-13, rea : Rab : OE : Irrev tisation	omer with fo ation to eye action prod obit CD Test Gu versible effe	ormaldehyde, sodium salt: s, reversing within 21 days ducts with branched nonene, sulfonated, s ideline 405
Alkyli Resul Arom dium Speci Metho Resul Respi Skin	oonents: naphthalenesulfonio t atic hydrocarbons, salts: es od t iratory or skin sensi	: Irrita cacid, poly : Irrita C10-13, rea : Rab : OE : Irrev tisation	omer with fo ation to eye action prod obit CD Test Gu versible effe	ormaldehyde, sodium salt: s, reversing within 21 days ducts with branched nonene, sulfonated, s ideline 405

Not classified based on available information.



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<u>Produ</u>	I <u>ct:</u>		
Test T		: Local lymph noo	de assay (LLNA)
	ure routes	: Skin contact	
Specie		: Mouse	
Metho		: OECD Test Gui	deline 429
Result	:	: negative	
<u>Comp</u>	onents:		
Aroma dium		C10-13, reaction prod	ucts with branched nonene, sulfonated, s
Test T	ype	: Buehler Test	
	ure routes	: Skin contact	
Specie		: Guinea pig	
Metho	d	: OECD Test Gui	deline 406
Result	:	: negative	
lodos	ulfuron-methyl-sodi	um:	
Test T	ype	: Magnusson-Klig	man-Test
	ure routes	: Skin contact	
Specie	es	: Rabbit	
Metho	d	: OECD Test Gui	deline 406
Result	:	: negative	
Disod	ium maleate:		
Test T	уре	: Local lymph noo	de assay (LLNA)
Expos	ure routes	: Skin contact	
Specie	es	: Mouse	
Metho		: OECD Test Gui	deline 429
Result		: positive	
Remai	rks	: Based on data f	from similar materials
Test T	. уре	: Maximisation Te	est
	ure routes	: Skin contact	
Specie		: Guinea pig	
Metho		: OECD Test Gui	deline 406
Result		: positive	
Rema	rks	: Based on data f	from similar materials
Asses	sment	: Probability or ev rate in humans	idence of low to moderate skin sensitisation
Germ	cell mutagenicity		
	assified based on ava	ailable information.	
<u>Comp</u>	onents:		

Aromatic hydrocarbons, C10-13, reaction products with branched nonene, sulfonated, sodium salts:

Genotoxicity in vitro

: Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471



Result: negative	
Test Type: In vitro mammalian cell gene mut Method: OECD Test Guideline 476 Result: negative	tation test
Test Type: in vitro micronucleus test Method: OECD Test Guideline 487 Result: negative	
lodosulfuron-methyl-sodium:	
Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay Method: OECD Test Guideline 471 Result: negative	(AMES)
Test Type: In vitro mammalian cell gene mut Method: OECD Test Guideline 476 Result: negative	tation test
Test Type: Chromosome aberration test in vi Method: OECD Test Guideline 473 Result: negative	itro
Disodium maleate:	
Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay Result: negative	(AMES)
Test Type: In vitro mammalian cell gene mut Method: OECD Test Guideline 476 Result: negative Remarks: Based on data from similar materia	
Carcinogenicity	
Not classified based on available information.	
Components:	
Diflufenican:	
Species : Rat Application Route : Ingestion	
Exposure time : 104 weeks Method : OECD Test Guideline 453	
Result : negative	
lodosulfuron-methyl-sodium:	
Species : Rat	
Application Route : Ingestion Exposure time : 2 Years	
Result : negative	



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Disodi	ium maleate:			
	es ation Route ure time		at gestion Years	
Result Remai			egative ased on data	from similar materials
-	oductive toxicity assified based on avai	ilable info	ormation.	
<u>Comp</u>	onents:			
Diflufe	enican:			
Effects	s on fertility	Sp Ap Me	pecies: Rat	o-generation reproduction toxicity study ute: Ingestion D Test Guideline 416 re
Effects ment	s on foetal develop-	Sr Ar Mi	pecies: Rat	nbryo-foetal development ute: Ingestion D Test Guideline 414 re
Aroma dium		C10-13, ro	eaction pro	ducts with branched nonene, sulfonated, so
Effects	s on fertility	rej Sp Ap Me	production/depecies: Rat	mbined repeated dose toxicity study with the evelopmental toxicity screening test ute: Ingestion D Test Guideline 422 re
Effects ment	s on foetal develop-	Sp Ap Me	pecies: Rat	nbryo-foetal development ute: Ingestion D Test Guideline 414 re
lodos	ulfuron-methyl-sodiu	ım:		
Effects	s on fertility	Sp Ap	becies: Rat	o-generation reproduction toxicity study ute: Ingestion re
Effects ment	s on foetal develop-	Sp Ap	becies: Rat	tility/early embryonic development ute: Ingestion e



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	Disodium maleate: Effects on fertility		:	Species: Rat Application Route Result: negative	eneration reproduction toxicity study Ingestion on data from similar materials
	ffects on the second se	on foetal develop-	:	Species: Rat Application Route Result: negative	o-foetal development Ingestion on data from similar materials
		single exposure sified based on availa	ble	information.	
		repeated exposure sified based on availa	ble	information.	
<u>C</u>	<u>ompo</u>	nents:			
	odosul Issessi	furon-methyl-sodium ment	1: :	No significant hea tions of 100 mg/kg	Ith effects observed in animals at concentra- g bw or less.
R	lepeat	ed dose toxicity			
<u>C</u>	ompo	nents:			
D	Diflufer	nican:			
N Lu A E		ion Route re time	:	Mouse, male 62.2 mg/kg 321.7 mg/kg Ingestion 105 Weeks OECD Test Guide	line 453
	romat		0-13	3, reaction produc	ts with branched nonene, sulfonated, so-
S N L A E	pecies OAEL OAEL		::	Rat 300 mg/kg 1,000 mg/kg Ingestion 29 - 47 Days OECD Test Guide	line 422
lc	odosul	furon-methyl-sodium	1:		
S N Lu A	pecies IOAEL OAEL	-	: : : :	Dog 7 mg/kg 42 mg/kg Ingestion 1 yr	



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Disodium maleate:

Species	:	Rat
LOAEL	:	> 100 mg/kg
Application Route	:	Ingestion
Exposure time	:	2 yr
Remarks	:	Based on data from similar materials

Aspiration toxicity

Not classified based on available information.

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

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)): > 100 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	ErC50 (Desmodesmus subspicatus (green algae)): 0.0086 mg/l Exposure time: 72 h
Components:		
Diflufenican:		
Toxicity to fish	:	LC50 (Cyprinus carpio (Carp)): > 0.0985 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 0.240 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	ErC50 : 0.000071 mg/l Exposure time: 72 h Method: OECD Test Guideline 201

according to Regulation (EC) No. 1907/2006



EC10 : 0.000029 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 M-Factor (Acute aquatic tox- : 10,000 icity) Toxicity to fish (Chronic tox- : EC10: 0.00543 mg/l Icity) Exposure time: 28 d Species: Pimephales prometas (fathead minnow) Method: OECD Test Guideline 210 Toxicity to daphnia and other : NOEC: 0.0124 mg/l aquatic invertebrates (Chron- : NOEC: 0.0124 mg/l ic toxicity) Species: Pimephales prometas (fathead minnow) M-Factor (Chronic aquatic : 1,000 toxicity) Species: Chironomus riparius (harlequin fly) M-Factor (Chronic aquatic : 1,000 toxicity to fish : LC50 (Danio rerio (zebra fish)): > 10 - 100 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 Remarks: Based on data from similar materials Toxicity to daphnia and other aquatic invertebrates : EC50 (Desudokirchneriella subcapitata (green algae)): > 10 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials Toxicity to algae/aquatic : EC10 (Pseudokirchneriella subcapitata (green algae)): > 10 mg/l	ersion 0	Revision Date: 01.04.2023		0S Number: 188570-00001	Date of last issue: - Date of first issue: 01.04.2023	
icity) Toxicity to fish (Chronic tox- icity) : EC10: 0.00543 mg/l Exposure time: 28 d Species: Pimephales promelas (fathead minnow) Method: OECD Test Guideline 210 Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity) : NOEC: 0.0124 mg/l Exposure time: 28 d Species: Chironomus riparius (harlequin fly) M-Factor (Chronic aquatic to toxicity) : 1,000 AlkyInaphthalenesulfonic acid, polymer with formaldehyde, sodium salt: Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 10 - 100 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 Remarks: Based on data from similar materials Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 Remarks: Based on data from similar materials Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): > 10 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials Toxicity to algaphia and other ic toxicity) : EC10 (Pseudokirchneriella subcapitata (green algae)): > 10 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials Toxicity to daphnia and other ic toxicity) : EC10: >1 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 201 Remarks: Based on data from similar materials Toxicity to daphnia and other ic toxicity)				Exposure time:	72 h	
icity) Exposure time: 28 d Species: Pimephales promelas (fathead minnow) Method: OECD Test Guideline 210 Toxicity to daphnia and other ic toxicity) : NOEC: 0.0124 mg/l Exposure time: 28 d Species: Chironomus riparius (harlequin fly) M-Factor (Chronic aquatic ic toxicity) : 1,000 AlkyInaphthalenesulfonic acid, polymer with formaldehyde, sodium salt: Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 10 - 100 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 Remarks: Based on data from similar materials Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 Remarks: Based on data from similar materials Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): > 10 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials Toxicity to daphnia and other aquatic invertebrates : EC50 (Pseudokirchneriella subcapitata (green algae)): > 10 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials Toxicity to daphnia and other ic toxicity) : EC10: > 1 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 201 Remarks: Based on data from similar materials Toxicity to daphnia and other ic toxicity) : EC10: > 1 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211 Remarks: Based on data from similar materials Aromatic hydrocarbons, C10-13, reaction products with bran		ctor (Acute aquatic tox-	:	10,000		
aquatic invertebrates (Chron- ic toxicity) Exposure time: 28 d Species: Chironomus riparius (harlequin fly) M-Factor (Chronic aquatic toxicity) 1,000 AlkyInaphthalenesulfonic acid, polymer with formaldehyde, sodium salt: Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 10 - 100 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 Remarks: Based on data from similar materials Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 Remarks: Based on data from similar materials Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): > 10 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials Toxicity to daphnia and other : EC50 (Pseudokirchneriella subcapitata (green algae)): > 10 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials Toxicity to daphnia and other : EC10 (>seudokirchneriella subcapitata (green algae)): > 10 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials Toxicity to daphnia and other : EC10: > 1 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211 Remarks: Based on data from similar materials Aromatic hydrocarbons, C10-13, reaction products with branched nonene, sulfonated, dium salts: : LC50 (Danio rerio (zebra fish)): 35.7 mg/l				Exposure time: 28 d Species: Pimephales promelas (fathead minnow)		
toxicity) AlkyInaphthalenesulfonic acid, polymer with formaldehyde, sodium salt: Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 10 - 100 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 Remarks: Based on data from similar materials Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 Remarks: Based on data from similar materials Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): > 10 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials Toxicity to algae/aquatic plants : EC10 (Pseudokirchneriella subcapitata (green algae)): > 10 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity) : EC10: > 1 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211 Remarks: Based on data from similar materials Aromatic hydrocarbons, C10-13, reaction products with branched nonene, sulfonated, dium salts: Toxicity to fish Toxicity to fish : LC50 (Danio rerio (zebra fish)): 35.7 mg/l	aquat	ic invertebrates (Chron-	:	Exposure time: 28 d		
Toxicity to fish:LC50 (Danio rerio (zebra fish)): > 10 - 100 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 Remarks: Based on data from similar materialsToxicity to daphnia and other aquatic invertebrates:EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 Remarks: Based on data from similar materialsToxicity to algae/aquatic plants:EC50 (Pseudokirchneriella subcapitata (green algae)): > 10 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materialsToxicity to algae/aquatic plants:EC50 (Pseudokirchneriella subcapitata (green algae)): > 10 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materialsToxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity):EC10: > 1 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211 Remarks: Based on data from similar materialsToxicity to daphnia and other ic toxicity)::EC10: > 1 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211 Remarks: Based on data from similar materialsAromatic hydrocarbons, C10-13, reaction products with branched nonene, sulfonated, idium salts: Toxicity to fish:LC50 (Danio rerio (zebra fish)): 35.7 mg/l		· ·	:	1,000		
 Exposure time: 96 h Method: OECD Test Guideline 203 Remarks: Based on data from similar materials Toxicity to daphnia and other aquatic invertebrates EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 Remarks: Based on data from similar materials Toxicity to algae/aquatic plants EC50 (Pseudokirchneriella subcapitata (green algae)): > 10 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials EC10 (Pseudokirchneriella subcapitata (green algae)): > 10 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials EC10 (Pseudokirchneriella subcapitata (green algae)): > 10 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials EC10 (Pseudokirchneriella subcapitata (green algae)): > 10 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity) EC10: > 1 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211 Remarks: Based on data from similar materials Aromatic hydrocarbons, C10-13, reaction products with branched nonene, sulfonated, f dium salts: Toxicity to fish LC50 (Danio rerio (zebra fish)): 35.7 mg/l 	Alkyl	naphthalenesulfonic a	cid,	polymer with fo	rmaldehyde, sodium salt:	
aquatic invertebratesExposure time: 48 h Method: OECD Test Guideline 202 Remarks: Based on data from similar materialsToxicity to algae/aquatic plants:EC50 (Pseudokirchneriella subcapitata (green algae)): > 10 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materialsEC10 (Pseudokirchneriella subcapitata (green algae)): > 10 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materialsToxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity):EC10: > 1 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211 Remarks: Based on data from similar materialsAromatic hydrocarbons, C10-13, reaction products with branched nonene, sulfonated, f dium salts: Toxicity to fish:LC50 (Danio rerio (zebra fish)): 35.7 mg/l	Toxic	ity to fish	:	Exposure time: Method: OECD	96 h Test Guideline 203	
plants mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials EC10 (Pseudokirchneriella subcapitata (green algae)): > 10 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EC10: > 1 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211 Remarks: Based on data from similar materials Method: OECD Test Guideline 211 Remarks: Based on data from similar materials Aromatic hydrocarbons, C10-13, reaction products with branched nonene, sulfonated, addium salts: Toxicity to fish : LC50 (Danio rerio (zebra fish)): 35.7 mg/l			:	Exposure time: Method: OECD	48 h Test Guideline 202	
mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EC10: > 1 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211 Remarks: Based on data from similar materials Aromatic hydrocarbons, C10-13, reaction products with branched nonene, sulfonated, adium salts: Toxicity to fish : LC50 (Danio rerio (zebra fish)): 35.7 mg/l			:	mg/l Exposure time: Method: OECD	72 h Test Guideline 201	
aquatic invertebrates (Chron- ic toxicity) Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211 Remarks: Based on data from similar materials Aromatic hydrocarbons, C10-13, reaction products with branched nonene, sulfonated, sidum salts: Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211 Remarks: Based on data from similar materials Toxicity to fish : LC50 (Danio rerio (zebra fish)): 35.7 mg/l				mg/l Exposure time: Method: OECD	72 h Test Guideline 201	
dium salts: Toxicity to fish : LC50 (Danio rerio (zebra fish)): 35.7 mg/l	aquat	ic invertebrates (Chron-	:	Exposure time: Species: Daphn Method: OECD	ia magna (Water flea) Test Guideline 211	
			0-13	8, reaction prod	ucts with branched nonene, sulfonated, s	
			:			



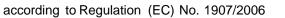
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			Method: OECD Test Guideline 203
	xicity to daphnia and other uatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 Remarks: Based on data from similar materials
	xicity to algae/aquatic ants	:	ErC50 (Raphidocelis subcapitata (freshwater green alga)): > 100 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
			EC10 (Raphidocelis subcapitata (freshwater green alga)): > 1 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
То	xicity to microorganisms	:	EC10 (activated sludge): 222 mg/l Exposure time: 3 h Method: OECD Test Guideline 209
aq	xicity to daphnia and other uatic invertebrates (Chron- toxicity)	:	EC10: 6.9 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211
lo	dosulfuron-methyl-sodium	:	
То	xicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l Exposure time: 96 h
	xicity to daphnia and other uatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h
	xicity to algae/aquatic ants	:	EC50 (Lemna gibba (gibbous duckweed)): 0.81 µg/l Exposure time: 14 d
M- icit	Factor (Acute aquatic tox- ty)	:	1,000
То	xicity to microorganisms	:	EC50 (activated sludge): 874 mg/l Exposure time: 3 h
To icit	xicity to fish (Chronic tox- ty)	:	NOEC: 7.79 mg/l Exposure time: 28 d Species: Oncorhynchus mykiss (rainbow trout)
aq	xicity to daphnia and other uatic invertebrates (Chron- toxicity)	:	EC10: 7.9 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea)
	Factor (Chronic aquatic kicity)	:	1,000



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Disod	lium maleate:			
	ty to fish	:	Exposure time:	nchus mykiss (rainbow trout)): > 10 - 100 mg/ 96 h ed on data from similar materials
	ty to daphnia and other ic invertebrates	• :	Exposure time: Test substance Method: OECD	magna (Water flea)): > 10 - 100 mg/l 48 h e: Neutralised product 9 Test Guideline 202 ed on data from similar materials
Toxici plants	ty to algae/aquatic	:	100 mg/l Exposure time: Test substance Method: OECD	okirchneriella subcapitata (green algae)): > 10 72 h e: Neutralised product 9 Test Guideline 201 ed on data from similar materials
			mg/l Exposure time: Test substance Method: OECD	kirchneriella subcapitata (green algae)): > 1 72 h e: Neutralised product 9 Test Guideline 201 ed on data from similar materials
Toxici	ty to microorganisms	:	Exposure time: Method: DIN 3	
.2 Persi	stence and degradab	ility		
<u>Comp</u>	oonents:			
Difluf	enican:			
Biode	gradability	:	Biodegradation Exposure time:	
Alkylı	naphthalenesulfonic a	acid,	polymer with f	ormaldehyde, sodium salt:
Biode	gradability	:		dily biodegradable. ed on data from similar materials
	atic hydrocarbons, C salts:	10-13	8, reaction proc	lucts with branched nonene, sulfonated, so
	gradability	:	Biodegradation Exposure time:	



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	Disodium maleate: Biodegradability			iodegradable. est Guideline 301B on data from similar materials		
12.3 Bioa	accumulative potential					
<u>Com</u>	<u>ponents:</u>					
Diflu	fenican:					
Bioa	ccumulation	:	Bioconcentration	vnchus mykiss (rainbow trout) factor (BCF): 1,650 est Guideline 305		
	tion coefficient: n- nol/water	:		est Guideline 117		
	natic hydrocarbons, C′ n salts:	10-1:	3, reaction produ	cts with branched nonene, sulfonated, so-		
	tion coefficient: n- nol/water	:	log Pow: -3.3 Remarks: Calcula	ation		
lodo	sulfuron-methyl-sodiun	n:				
	tion coefficient: n- nol/water	:	log Pow: -0.7			
Diso	dium maleate:					
	tion coefficient: n- nol/water	:	log Pow: -0.516 Remarks: Calculation			
12.4 Mob	ility in soil					
No d	ata available					
12.5 Res	ults of PBT and vPvB a	sse	ssment			
Prod						
Asse	essment	:	to be either persis	hixture contains no components considered stent, bioaccumulative and toxic (PBT), or nd very bioaccumulative (vPvB) at levels of		
12.6 End	ocrine disrupting prop	ertie	s			
Prod	luct:					
Asse	essment	:	ered to have end REACH Article 5	ixture does not contain components consid- ocrine disrupting properties according to 7(f) or Commission Delegated regulation or Commission Regulation (EU) 2018/605 at higher.		





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	12.7 Other adverse effects No data available								
SECTIO	N 13: Disposal con	sider	ations						
13.1 Was	te treatment method	s							
Produ	uct	:	directions. If it is please follow co guidelines. According to the are not product Waste codes so discussion with	all of the product in accordance with label s necessary to dispose of unused product, ontainer label instructions and applicable local e European Waste Catalogue, Waste Codes specific, but application specific. hould be assigned by the user, preferably in the waste disposal authorities. of waste into sewer.					
Conta	Contaminated packaging :		Follow advice on product label and/or leaflet. Empty containers retain residue and can be dangerous. Do not re-use empty containers.						
Wast	te Code	:	The following W	aste Codes are only suggestions:					
			used product 02 01 08, agroc stances	hemical waste containing hazardous sub-					
			unused product 02 01 08, agroc stances	hemical waste containing hazardous sub-					
			uncleaned pack 15 01 10, packa by hazardous s	aging containing residues of or contaminated					

SECTION 14: Transport information

14.1 UN number or ID number

ADN	: UN 3077	
ADR	: UN 3077	
RID	: UN 3077	
IMDG	: UN 3077	
ΙΑΤΑ	: UN 3077	
14.2 UN proper shipping nam	IE	
ADN	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Diflufenican, lodosulfuron-methyl-sodium)	
ADR	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,	



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			N.O.S. (Diflufenican, I	odosulfuron-methyl-sodium)
RID		:	N.O.S.	ITALLY HAZARDOUS SUBSTANCE, SOLID, odosulfuron-methyl-sodium)
IMDG	i	:	N.O.S.	ITALLY HAZARDOUS SUBSTANCE, SOLID, odosulfuron-methyl-sodium)
ΙΑΤΑ		:		y hazardous substance, solid, n.o.s. odosulfuron-methyl-sodium)
14.3 Trans	sport hazard class(es)			
			Class	Subsidiary risks
ADN		:	9	
ADR		:	9	
RID		:	9	
IMDG	i	:	9	
ΙΑΤΑ		:	9	
14.4 Pack	ing group			
Class Hazar Labels ADR Packi Class Hazar Labels	ng group ification Code rd Identification Number	: : : : : : : : : : : : : : : : : : : :	III M7 90 9 9 III M7 90 9	
RID Packi Class	ng group ification Code rd Identification Number	:	(-) III M7 90 9	
IMDG	i ng group s	: : :	III 9 F-A, S-F	
Packi aircra Packi	ng instruction (LQ) ng group	:	956 Y956 III Miscellaneous	



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ΙΑΤΑ	(Passenger)			
Pack	ing instruction (passen- ircraft)	:	956	
Pack	ing instruction (LQ) ing group	:	Y956 III Miscellaneous	
	ronmental hazards	•	meeenaneeae	
ADN Enviro	onmentally hazardous	:	yes	
ADR Enviro	onmentally hazardous	:	yes	
RID Enviro	onmentally hazardous	:	yes	
IMDG Marin	e pollutant	:	yes	
	(Passenger) onmentally hazardous	:	yes	
	(Cargo) onmentally hazardous	:	yes	

14.6 Special precautions for user

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

14.7 Maritime transport in bulk according to IMO instruments

Remarks

: 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 - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	:	Conditions of restriction for the fol- lowing entries should be considered: Number on list 75 If you intend to use this product as tattoo ink, please contact your ven- dor.
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 (EU) 2019/1021 on persistent organic pollu- tants (recast)	:	Not applicable

according to Regulation (EC) No. 1907/2006

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ment	Regulation (EC) No 649/2012 of the European Parlia- : Not applicable ment and the Council concerning the export and import of dangerous chemicals				
	CH - List of substance ex XIV)	subject to authorisation :	Not applicable		
Active	e substance	: 36 % Diflufenican			
		1 % lodosulfuron-methyl-sodiu	ım		
	Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.				
E1		ENVIRONMENTAL HAZARDS	Quantity 1 Quantity 2 100 t 200 t		
Other	⁻ information		e been made to the previous version ly of this document by two vertical		
Full t	ext of H-Statements				
H315 H317 H318 H319 H400 H410 H412		 Causes skin irritation. May cause an allergic skin Causes serious eye dama Causes serious eye irritation Very toxic to aquatic life. Very toxic to aquatic life with the series of the ser	age. tion. with long lasting effects.		
Full t	ext of other abbrevia	tions			
Aqua Aqua Eye [Eye Skin Skin	tic Acute tic Chronic Dam. rrit.	 Short-term (acute) aquati Long-term (chronic) aqua Serious eye damage Eye irritation Skin irritation Skin sensitisation 			
Wate Road	rways; ADR - Agreer ; AIIC - Australian Inv	ent concerning the Internation entory of Industrial Chemicals; A	arriage of Dangerous Goods by Inland al Carriage of Dangerous Goods by ASTM - American Society for the Test- belling Packaging Regulation; Regula		



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tion (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

Sources of key data used to :	Internal technical data, data from raw material SDSs, OECD
compile the Safety Data	eChem Portal search results and European Chemicals Agen-
Sheet	cy, http://echa.europa.eu/

Classification of the mi	xture:	Classification procedure:
Eye Irrit. 2	H319	Based on product data or assessment
Aquatic Acute 1	H400	Based on product data or assessment
Aquatic Chronic 1	H410	Calculation method

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