

SAFETY DATA SHEET

Flumioxazin 50 WP

According to Regulation (EC) No 1907/2006 (REACH)

SECTION 1: Identification of th	e substance/mixture and of the company/undertaking
1.1. Product identifier	
Product name	Flumioxazin 50 WP
Name	Flumioxazin, 500 g/kg wettable powder
GIFAP Code	WP
Reference of the SDS	S5348250WPCJ10EEU/520gb
Product number	CJ10E
Synonyms; trade names	Pledge, Pledge 50 WP, Rami, Toki
1.2. Relevant identified uses of	the substance or mixture and uses advised against
Identified uses	Herbicide (agricultural use)
Uses advised against	Not for public use
1.3. Details of the supplier of the safety data sheet	
Supplier	SUMITOMO CHEMICAL AGRO EUROPE S.A.S Parc d'affaires de Crécy 10A rue de la voie lactée 69370 Saint-Didier-Au-Mont-D'Or France +33 (0)4 78 64 32 60 sds@sumitomo-chem.fr
1.4. Emergency telephone num	ıber
Emergency telephone	24 hours/24 Europe: +44 (0) 1235 239 670 Middle East & Africa: +44 (0) 1235 239 671
SECTION 2: Hazards identifica	ition
2.1. Classification of the substa	ance or mixture
Classification (EC 1272/2008) Classified as hazardous according to	regulation (EC) No 1272/2008 (CLP)
Physical hazards	Not Classified
Health hazards	Repr. 1B - H360D
Environmental hazards	Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410
2.2. Label elements	
Pictogram	

Signal word	Dangar
Signal word Hazard statements	Danger H360D May damage the unborn child.
Hazaru statements	H410 Very toxic to aquatic life with long lasting effects.
Precautionary statements	 P202 Do not handle until all safety precautions have been read and understood. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P308+P313 IF exposed or concerned: Get medical advice/ attention. P391 Collect spillage. P405 Store locked up. P501 Dispose of contents/ container in accordance with local regulations.
Supplemental label information	EUH401 To avoid risks to human health and the environment, comply with the instructions for use.
Special Risks and safety precautions (Commission Regulation (EU) 547/2011) : General provisions	SP1 : Do not contaminate water with the product or its container (Do not clean application equipment near surface water).
Special Risks and safety precautions (Commission Regulation (EU) 547/2011): Specific safety precautions	SPo 2: Wash all protective clothing after use. SPe 3: To protect aquatic organisms respect an unsprayed buffer zone of (as indicated on the label) to surface water bodies.
2.3. Other hazards	
May form explosible dust-air n	nixture if dispersed.
SECTION 3: Composition/info	rmation on ingredients
3.1. Substances	
Classification according to Regl 1272/2008	
3.2. Mixtures	
Classification according to Regl 1272/2008	
N-(7-fluoro-3,4-dihydro-3-oxo benzooxazin-6-yl)cyclohex-1	
CAS number: 103361-09-7	
M factor (Acute) = 1000	M factor (Chronic) = 1000
Classification Repr. 1B - H360D Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	
kaolin	< 40%
CAS number: 1332-58-7	EC number: 310-194-1
Classification Not Classified	

Aromatic hydrocarbons, C10- branched nonene, sulfonated	· · · · · · · · · · · · · · · · · · ·	
CAS number: 1258274-08-6		
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318		
Sulfonated aromatic polymer,	, sodium salt ≥ 1 - < 109	
CAS humber. —		
Classification Eye Irrit. 2 - H319		
The Full Text for all R-Phrases	s and Hazard Statements are Displayed in Section 16.	
Composition comments	This product contains respirable crystalline silica . The product is always presented under water soluble bags and no dust can occur.	
Other information	Code ID : CJ10E	
SECTION 4: First aid measure	98	
4.1. Description of first aid me	asures	
General information	If in doubt, get medical attention promptly.	
Inhalation	Move affected person to fresh air at once. If symptoms persist, seek medical advice.	
Ingestion	Rinse mouth. Never induce vomiting in unconscious or confused persons. Get medical attention.	
Skin contact	Remove contaminated clothing and rinse skin thoroughly with water.	
Eye contact	Rinse immediately and as long as possible with plenty of water. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical advice if irritation develops.	
4.2. Most important symptoms	and effects, both acute and delayed	
Human Health	May damage the unborn child.	
General information	Dust may be irritating to the respiratory tract and cause symptoms of bronchitis.	
4.3. Indication of any immedia	te medical attention and special treatment needed	
Notes for the doctor	Symptomatic treatment is advised.	
SECTION 5: Firefighting meas	sures	
5.1. Extinguishing media		
Suitable extinguishing media	Dry chemical powder. Carbon dioxide (CO2). Foam. Sand. Water.	
Unsuitable extinguishing media	None known.	
5.2. Special hazards arising from the substance or mixture		
Specific hazards	In case of fire: Thermal decomposition may evolve toxic and irritant vapours.	
5.3. Advice for firefighters		
Protective actions during firefighting	Water used to extinguish a fire should not be allowed to enter the drainage system or water courses.	
	3/13	

Special protective equipment Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Do not breathe dust. Wear protective gloves, safety goggles or face shield, and suitable protective clothing. Remove of ignition sources. Evacuate the danger area.

For emergency responders Do not breathe dust. Wear protective gloves (nitrile), safety goggles or face shield, and suitable protective clothing. Remove of ignition sources. Evacuate the danger area or consult an expert.

6.2. Environmental precautions

Environmental precautions Do not allow to escape into sewage system or water courses. Do not wash residues into drains or other waterways.

6.3. Methods and material for containment and cleaning up

Containment of a spill Do not allow to escape into sewage system or water courses.

Methods for cleaning up Clean up spills immediately. Sweep up and place into sealable containers. Dig up heavily contaminated soil and place into drums. Use a damp cloth to clean floors and other objects, and also place in sealable container. Dispose of all waste and contaminated clothing in the same manner as waste chemicals (i.e. via an authorized disposal facility). Do not wash residues into drains or other waterways.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling Fire and explosion prevention May form explosible dust-air mixture if dispersed. Avoid generation and spreading of dust. Usage precautions Follow precautions for safe handling described in this safety data sheet. Avoid spilling. Do not allow to escape into sewage system or water courses. Advice on general Do not eat, drink or smoke when using this product. occupational hygiene 7.2. Conditions for safe storage, including any incompatibilities Storage precautions Store in tightly-closed, original container in a dry and cool place. Keep container in a wellventilated place. Keep away from food, drink and animal feeding stuffs. Other information Do not mix with water (except for the normal preparation). Store away from incompatible materials (see Section 10). 7.3. Specific end use(s) Specific end use(s) See label on the container. SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

According to local regulations.

No chemical safety report is required for this kind of product.

8.2. Exposure controls

Provide adequate ventilation.		
Wear safety goggles or face shield.		
Wear protective gloves made of the following material: Nitrile rubber.		
Wear appropriate clothing to prevent any possibility of skin contact.		
Wash contaminated clothing before reuse.		
In case of dust formation, use dust mask.		
SECTION 9: Physical and Chemical Properties		
9.1. Information on basic physical and chemical properties		
Flumioxazin, 500 g/kg wettable powder (Code ID : CJ10E)		
Powder. (Visual assessment)		

Odour	Odourless. (Olfactory assessment)
Odour threshold	Not determined.
рН	pH (diluted solution): 6.0 (5%) @ 22°C (EPA FIFRA 63-12)
Melting point	Not determined.
Initial boiling point and range	Not applicable.
Flash point	Not applicable.
Evaporation rate	Not applicable.
Flammability (solid, gas)	not "highly flammable". (EEC A.10)
Upper/lower flammability or explosive limits	Not determined.
Vapour pressure	Not determined.
Vapour density	Not applicable.
Relative density	Not determined.
Bulk density	Loose : 0.366 g/ml Tapped : 0.492 g/ml (EPA FIFRA 63-7)
Solubility(ies)	Dispersible in water. (Flumioxazin : Solubility : 1.79 mg/l water @ 25°C (OECD 105))
Solubility in other solvents	Not applicable.
Partition coefficient	Not determined. (Flumioxazin : log Pow: 2.55 @ 20°C (OECD 107))
Auto-ignition temperature	No autoignition is observed up to 420°C (EEC A.16)
Decomposition Temperature	Not determined. (Flumioxazin : No decomposition up to 420°C (EEC A.16))
Viscosity	Not applicable.
Explosive properties	Not explosive. (EEC A.14)

Oxidising properties	Not oxidising. (EEC A.17)
9.2. Other information	
Relative vapour density (air = 1)	Not applicable.
SECTION 10: Stability and rea	ictivity
10.1. Reactivity	
Reactivity	Stable under recommended storage and handling conditions. See also section 7.
10.2. Chemical stability	
Stability	Stable for a minimum of 2 years under recommended storage and handling conditions. See section 7.
10.3. Possibility of hazardous	reactions
Possibility of hazardous reactions	None known.
10.4. Conditions to avoid	
Conditions to avoid	Avoid high temperature, light, humidity.
10.5. Incompatible materials	
Materials to avoid	Strong oxidising agents. Alkaline materials.
10.6. Hazardous decomposition	n products
Hazardous decomposition	In case of fire: Thermal decomposition may evolve toxic and irritant vapours. See also section
products	5.
products SECTION 11: Toxicological int	-
-	formation
SECTION 11: Toxicological int	formation
SECTION 11: Toxicological in 11.1. Information on toxicologi	formation cal effects
SECTION 11: Toxicological int 11.1. Information on toxicologi Toxicological effects	formation cal effects No experimental toxicological data are available on the preparation as such.
SECTION 11: Toxicological int 11.1. Information on toxicologi Toxicological effects Name Acute toxicity - oral	formation <u>cal effects</u> No experimental toxicological data are available on the preparation as such. Flumioxazin, 500 g/kg water dispersible granule (Code ID : CJ10Ex) (close formulation)
SECTION 11: Toxicological int 11.1. Information on toxicologi Toxicological effects Name <u>Acute toxicity - oral</u> <u>Acute toxicity oral</u> <u>Acute toxicity - dermal</u>	formation cal effects No experimental toxicological data are available on the preparation as such. Flumioxazin, 500 g/kg water dispersible granule (Code ID : CJ10Ex) (close formulation) LD ₅₀ > 5000 mg/kg, Oral, Rat (EPA FIFRA 81-1)
SECTION 11: Toxicological int 11.1. Information on toxicologi Toxicological effects Name Acute toxicity - oral Acute toxicity oral Acute toxicity - dermal Acute toxicity dermal Acute toxicity - inhalation	formation cal effects No experimental toxicological data are available on the preparation as such. Flumioxazin, 500 g/kg water dispersible granule (Code ID : CJ10Ex) (close formulation) LD ₅₀ > 5000 mg/kg, Oral, Rat (EPA FIFRA 81-1) LD ₅₀ > 2000 mg/kg, Dermal, Rat (EPA FIFRA 81-2) LC ₅₀ , 4 hours: > 0.969 mg/l, maximum feasible concentration, whole body, Inhalation, Rat
SECTION 11: Toxicological int 11.1. Information on toxicologi Toxicological effects Name Acute toxicity - oral Acute toxicity oral Acute toxicity - dermal Acute toxicity dermal Acute toxicity - inhalation Acute toxicity inhalation Skin corrosion/irritation	formation cal effects No experimental toxicological data are available on the preparation as such. Flumioxazin, 500 g/kg water dispersible granule (Code ID : CJ10Ex) (close formulation) LD ₅₀ > 5000 mg/kg, Oral, Rat (EPA FIFRA 81-1) LD ₅₀ > 2000 mg/kg, Dermal, Rat (EPA FIFRA 81-2) LC ₅₀ , 4 hours: > 0.969 mg/l, maximum feasible concentration, whole body, Inhalation, Rat (EPA FIFRA 81-3)

General information	Based on the available data of these ingredients, the classification criteria are met for the following classes : Reprotoxicity. (Rat)
Route of exposure	This product is for agricultural use; therefore the most probable routes of exposure are via skin or inhalation.

Toxicological information on ingredients.

N-(7-fluoro-3,4-dihydro-3-oxo-4-prop-2-ynyl-2H-1,4-benzooxazin-6-yl)cyclohex-1-ene-1,2-dicarboximide

	Name	Flumioxazin, technical grade
	Acute toxicity - oral	
	Acute toxicity oral	LD₅₀ > 5000 mg/kg, Oral, Rat (EPA 540/9-82-025)
	Acute toxicity - dermal	
	Acute toxicity dermal	LD₅₀ > 2000 mg/kg, Dermal, Rat (EPA 540/9-82-025)
	Acute toxicity - inhalation	
	Acute toxicity inhalation	LC_{50} , 4 hours: > 3.93 mg/l, maximum feasible concentration, whole body, Inhalation, Rat (EPA 81-3)
	Skin corrosion/irritation	
	Skin corrosion/irritation	Not irritating. (EPA guideline)
	Serious eye damage/irritatio	on
	Serious eye damage/irritation	Weakly irritating. (EPA guideline)
	Skin sensitisation	
	Skin sensitisation	Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. (equivalent to OECD 406)
	Germ cell mutagenicity	
	Genotoxicity - in vitro	Negative.
	Genotoxicity - in vivo	Negative.
	Carcinogenicity	
	Carcinogenicity	(rats, mice) : Negative. (EPA FIFRA 83-5)
	Reproductive toxicity	
	Reproductive toxicity - fertility	Multi-generation study: Negative. (OECD 416)
	Reproductive toxicity - development	Teratogenicity: Negative., Oral, Rabbit Teratogenicity: Positive effects, Oral, Rat, Dermal , Maternal toxicity: NOAEL > 30 mg/kg, Oral, Maternal toxicity: NOAEL > 300 Dermal, mg/kg (EPA FIFRA 83-3)
	General information	Based on the available data of these ingredients, the classification criteria are met for the following classes : Reprotoxicity. (Rat) $% \left({\left[{R_{\rm{B}} \right]_{\rm{B}}} \right)$
	Route of exposure	This product is for agricultural use; therefore the most probable routes of exposure are via skin or inhalation.
SECTION 12	2: Ecological Information	

Flumioxazin 50 WP

12.1. Toxicity	
Name	Flumioxazin, 500 g/kg wettable powder (Code ID : CJ10E)
Acute aquatic toxicity	
Acute toxicity - fish	LC₅₀, 96 hours: > 100 mg/l, Oncorhynchus mykiss (Rainbow trout) (OECD 203)
Acute toxicity - aquatic plants	ECb50, 14 days: 4.6 μg/l, Lemna gibba, study with sediment NOECb, 14 days: 0.54 μg/l, Lemna gibba, study with sediment recovery of frond density within 2-5 days (FIFRA 122-2, 123-2)
Acute toxicity - algae	ECb50, 72 hours: 1.56 µg/l, prolonged study, Selenastrum capricornutum ECr50, 72 hours: 2.4 µg/l, prolonged study, Selenastrum capricornutum NOECb, 72 hours: 0.54 µg/l, prolonged study, Selenastrum capricornutum , recovery of growth within 72 hours (OECD 201) NOECr, 72 hours: 0.72 µg/l, prolonged study, Selenastrum capricornutum , recovery of growth within 72 hours (OECD 201) ECb50, 72 hours: 3 µg/l, prolonged study, Navicula pelliculosa ECr50, 72 hours: 6.8 µg/l, prolonged study, Navicula pelliculosa NOECb, 72 hours: 0.48 µg/l, prolonged study, Navicula pelliculosa , recovery of growth within 48 hours NOECr, 72 hours: 1.3 µg/l, prolonged study, Navicula pelliculosa , recovery of growth within 48 hours
Acute toxicity - terrestrial	LD₅o, 48 hours, oral: > 400 µg/bee, Apis Mellifera (Honeybee) LD₅o, 48 hours, contact: > 458.12 µg/bee, Apis Mellifera (Honeybee) (OECD 213, 214)

Ecological information on ingredients.

Name	Flumioxazin, technical grade
Acute aquatic toxicity	
LE(C)50	0.0001 < L(E)C50 ≤ 0.001
M factor (Acute)	1000
Acute toxicity - aquatic invertebrates	EC₅₀, 48 hours: 5.9 mg/l, Daphnia magna (FIFRA 72-2)
Acute toxicity - fish	LC₅₀, 96 hours: 2.3 mg/l, Oncorhynchus mykiss (Rainbow trout) NOEC, 96 hours: 0.92 mg/l, Oncorhynchus mykiss (Rainbow trout) (FIFRA 72-1) LC₅₀, 96 hours: > 21 mg/l, Lepomis macrochirus (Bluegill) NOEC, 96 hours: 3.9 mg/l, Lepomis macrochirus (Bluegill) (FIFRA 72-1)
Acute toxicity - aquatic plants	ECb50, 14 days: 0.35 μg/l, Lemna gibba NOECb, 14 days: 0.051 μg/l, Lemna gibba EC50fd, 14 days: 0.51 μg/l, Lemna gibba NOECfd, 14 days: 0.22 μg/l, Lemna gibba (FIFRA 122-2, 123-2)

Acute toxicity - algae	EC ₅₀ , 72 hours: 0.85 μ g/l, Selenastrum capricornutum NOEC, 72 hours: 0.54 μ g/l, Selenastrum capricornutum (OECD 201) EC ₅₀ , 120 hours: 1.5 μ g/l, Navicula pelliculosa NOEC, 120 hours: < 0.042 μ g/l, Navicula pelliculosa (FIFRA 122-2, 123-2)
Acute toxicity - microorganisms	EC₅₀, 3 hours: > 10000 mg/l, Activated sludge (OECD 209)
Acute toxicity - terrestrial	LD ₅₀ , 48 hours, oral: > 100 µg/bee, Apis Mellifera (Honeybee) (OECD 213) LD ₅₀ , 48 hours, contact: > 105 µg/bee, Apis Mellifera (Honeybee) (FIFRA 141-1) LD ₅₀ , single dose oral: > 2250 mg/kg bw, Colinus Virginianus (Bobwhite Quail) (FIFRA 71-1) LD ₅₀ , single dose oral: > 2250 mg/kg bw, Anas Platyrhynchos (Mallard duck) (FIFRA 71-1) LC ₅₀ , 14 days: > 982 mg/kg soil, Eisenia Fetida (Earthworm) (OECD 207) No significant impact on carbon mineralization or nitrogen transformation at up to 1.2 kg/ha, Soil micro-organisms (EPPO guideline)
Chronic aquatic toxicity	
NOEC	0.00001 < NOEC ≤ 0.0001
Degradability	Non-rapidly degradable
M factor (Chronic)	1000
Chronic toxicity - aquatic invertebrates	NOEC, 23 days: 0.73 mg/kg sediment, Chironomus riparius (Sediment dwelling midge) (ASTM E 1383-94) NOEC, 21 days: 0.057 mg/l, Daphnia magna (OECD 211)

12.2. Persistence and degradability

Ecological information on ingredients.

N-(7-fluoro-3,4-dihydro-3-oxo-4-prop-2-ynyl-2H-1,4-benzooxazin-6-yl)cyclohex-1-ene-1,2-dicarboximide

Ν	lame	Flumioxazin, technical grade
S	tability (hydrolysis)	pH5 - DT₅₀ : 3-5 days @ 25°C pH7 - DT₅₀ : 19-26 hours @ 25°C pH9 - DT₅₀ : 14-23 minutes @ 25°C (OECD 111)
В	iodegradation	Water and sediment - DT₅₀ : < 1.9 rapid adsorption and degradation on sediments, day Not readily biodegradable.
12.3. Bioaccumulative potential		
Name	Flun	nioxazin, 500 g/kg wettable powder (Code ID : CJ10E)

Not determined. (Flumioxazin : log Pow: 2.55 @ 20°C (OECD 107)) Partition coefficient

Ecological information on ingredients.

Flumioxazin 50 WP

N-(7-fluoro-3,4-dihydro-3-oxo-4-prop-2-ynyl-2H-1,4-benzooxazin-6-yl)cyclohex-1-ene-1,2-dicarboximide

	Name	Flumioxazin, technical grade
	Bioaccumulative poter	ntial BCF: Not required.
	Partition coefficient	log Pow: 2.55 @ 20°C (OECD 107)
12.4. Mobili	ty in soil	
Name	Flui	nioxazin, 500 g/kg wettable powder (Code ID : CJ10E)
Surface ten	sion Not	determined.
Ecological in	nformation on ingredien	<u>ts.</u>
	N-(7-fluoro-3,4-dihydro-3-oxo-4-prop-2-ynyl-2H-1,4-benzooxazin-6-yl)cyclohex-1-ene-1,2-dicarboximide	
	Name	Flumioxazin, technical grade
	Mobility	Slightly mobile.
	Adsorption/desorption coefficient	Soil - Koc, Adsorption: 739 - 983 ml/g @ 20°C (mean : 889) (OECD 106)
	Surface tension	70.9 mN/m @ 20°C (Concentration : 90% of water solubility of substance) (EEC A.5)
12.5. Result	ts of PBT and vPvB ass	essment
Ecological in	nformation on ingredien	ts.
	N-(7-fluoro-3,4-dil	nydro-3-oxo-4-prop-2-ynyl-2H-1,4-benzooxazin-6-yl)cyclohex-1-ene-1,2-dicarboximide
	Name	Flumioxazin, technical grade
	Results of PBT and vF assessment	PvB Not required. (no chemical safety report required)
12.6. Other	adverse effects	
Ecological in	nformation on ingredien	ts.
N-(7-fluoro-3,4-dihydro-3-oxo-4-prop-2-ynyl-2H-1,4-benzooxazin-6-yl)cyclohex-1-ene-1,2-dicarboximide		
	Name	Flumioxazin, technical grade
	Other adverse effects	No other known adverse effects on the environment.
SECTION 1	3: Disposal consideration	ons
13.1. Waste	treatment methods	
Disposal me	ethods Acc	ording to local regulations. For further advice, contact manufacturer.
SECTION 1	4: Transport information	١
14.1. UN nu	ımber	
UN No. (AD		7
UN No. (IMI	DG) 307	7
UN No. (ICA	AO) 307	7
14.2. UN pr	oper shipping name	

Proper shipping name (ADR/RID)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (flumioxazin)	
Proper shipping name (IMDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (flumioxazin)	
Proper shipping name (ICAO)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (flumioxazin)	
14.3. Transport hazard class(es)		
ADR/RID class	9	

	-
ADR/RID label	9
IMDG class	9
ICAO class/division	9
14.4. Packing group	
ADR/RID packing group	Ш
IMDG packing group	III
ICAO packing group	ш

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

No other special precaution required.

EmS

F-A, S-F

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable. Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

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

EU legislation

There is no specific regulation/legislation for this mixture.

15.2. Chemical safety assessment

No chemical safety assessment is required for this mixture.

SECTION 16: Other information

Method for evaluating information referred to in Article 9 of regulation (EC) No. 1272/2008 used for the purpose of classification	Classification based on : tests , properties of the active substance(s) .
Classification abbreviations and acronyms	Aquatic Acute = Hazardous to the aquatic environment (acute) Aquatic Chronic = Hazardous to the aquatic environment (chronic) Repr. = Reproductive toxicity

Abbreviations and acronyms used in the safety data sheet	 GIFAP : International Group of National Associations of manufacturers of Agrochemical Products CAS: Chemical Abstracts Service. REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006. EC: European Community CLP: Classification, Labelling and Packaging PBT: Persistent, Bioaccumulative and Toxic substance. vPVB: Very Persistent and Very Bioaccumulative. EU: European Union Regl: Regulation w/w: weight per weight D: identification GHS: Globally Harmonized System. i.e. : shortening of the Latin expression id est, which is translated as "that is." CCFR: Code of Federal Regulations EEC: European Economic Community OECD: Organisation for Economic Co-operation and Development EPA: Environmental Protection Agency (USA) US EPA: United States Environmental Protection Agency EPPO: European and Mediterranean Plant Protection Organization FIFRA: Federal Insecticide, Fungicide and Rodenticide Act of 1972 ASTM: American Society for Testing Material Lbas: Lethal Dose to 50% of a test population (Median Lethal Dose). LCas: Lethal Concentration to 50 % of a test population. ECc50: S0% of maximal Effective Concentration on biomass. ECc50: S0% of maximal Effective Concentration on biomass. ECc50: S0% of maximal Effective Concentration on biomass. ECSOI: S0% of maximal Effective Concentration on frond density. NOECA: No Observed Effect Concent
Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	02/05/2017

Flumioxazin 50 WP

Revision	5.20
Revision number of the previous version	5.10
Supersedes date	28/04/2015
SDS number	20350
Hazard statements in full	H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H360D May damage the unborn child. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.
Reference of the SDS	S5348250WPCJ10EEU/520gb

This information only concerns the above mentioned product for the specific use mentioned and is not valid for such product used in combination with any other product. The information is to our best knowledge correct and complete and is given in good faith as of the date indicated. It is the user's responsibility to use this information as appropriate for his own particular use of this product.