

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Issue date: 27/01/2017 Revision date: 21/12/2021 Supersedes version of: 8/03/2021 Version: 3.0

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

#### 1.1. Product identifier

Product form : Mixture
Trade name : Mainman

Product code : IKI-220 500WG; IKI-220 50% WG; IBE-3894

Type of product : WG (Water dispersible granule)

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

#### 1.2.1. Relevant identified uses

Main use category : Professional use Use of the substance/mixture : Insecticide

#### 1.2.2. Uses advised against

No additional information available

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

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

Belchim Crop Protection NV/SA

Technologielaan 7

B- 1840 Londerzeel

Belgium

T +32 (0)52 30 09 06 - F +32 (0)52 30 11 35 info@belchim.com - www.belchim.com

#### Marketing company

Belchim Crop Protection Limited

1b Fenice Court, Phoenix Park Eaton Socon, St. Neots

Cambridgeshire PE19 8EW

United Kingdom

T 01480 403333 - F 01480 403444

Info-uk@belchim.com - www.belchim.co.uk

#### 1.4. Emergency telephone number

Emergency number : +32(0)14584545

24 H/7 days/English/French/German/Dutch

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

#### 2.1. Classification of the substance or mixture

## Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation, Category 2 H319

Full text of H- and EUH-statements: see section 16

## Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice. Causes serious eye irritation.

## 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning

Hazard statements (CLP) : H319 - Causes serious eye irritation.

Precautionary statements (CLP) : P264 - Wash hands, forearms and face thoroughly after handling.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

P337+P313 - If eye irritation persists: Get medical advice/attention.

EUH-statements : EUH208 - Contains Disodium Maleate (ISO) (371-47-1). May produce an allergic reaction.

EUH401 - To avoid risks to human health and the environment, comply with the instructions

for use.

21/12/2021 (Revision date) EN (English) 1/12 23/02/2022 (Printing date)

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

#### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

Component	
Methylnaphtalenesulfonic acid/formaldehyde, copolymer, sodium salt (81065-51-2)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Flonicamid	CAS-No.: 158062-67-0 EC Index-No.: 616-216-00-9	50 – 80	Acute Tox. 4 (Oral), H302
Methylnaphtalenesulfonic acid/formaldehyde, copolymer, sodium salt	CAS-No.: 81065-51-2	1 – 5	Eye Irrit. 2, H319 Aquatic Chronic 3, H412
Isotridecanol, ethoxylated	CAS-No.: 69011-36-5 EC-No.: 500-241-6	1 – 5	Aquatic Chronic 3, H412
2,5-Furandione, polymer with 2,4,4-trimethylpentene, sodium salt	CAS-No.: 37199-81-8	1 – 5	Eye Irrit. 2, H319
Docusate sodium	CAS-No.: 577-11-7 EC-No.: 209-406-4	1 – 5	Skin Irrit. 2, H315 Eye Dam. 1, H318
Disodium maleate	CAS-No.: 371-47-1 EC-No.: 206-738-1	0,1 – 0,5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335
toluene	CAS-No.: 108-88-3 EC-No.: 203-625-9 EC Index-No.: 601-021-00-3	< 0,2	Flam. Liq. 2, H225 Repr. 2, H361d Asp. Tox. 1, H304 STOT RE 2, H373 Skin Irrit. 2, H315 STOT SE 3, H336

Full text of H- and EUH-statements: see section 16

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

## 4.1. Description of first aid measures

First-aid measures general

: Consult a doctor/medical service if you feel unwell.

First-aid measures after inhalation

: Move the affected person to the fresh air. Respiratory problems: consult a doctor/medical

First-aid measures after skin contact

: Remove clothing before washing. Wash skin with mild soap and water. If case of redness or irritation, call a doctor.

21/12/2021 (Revision date) EN (English) 2/12

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

First-aid measures after eye contact : Immediately rinse with plenty of water. Do not apply (chemical) neutralizing agents. Consult

an ophtalmologist if irritation persists.

First-aid measures after ingestion : Rinse mouth out with water. Do not give an unconscious person anything to drink. Do not

induce vomiting. Get immediate medical advice/attention.

## 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation : Dust of the product, if present, may cause respiratory irritation after an excessive inhalation

exposure.

Symptoms/effects after eye contact : Causes serious eye irritation.

## 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Polyvalent foam. ABC-powder. Carbon dioxide.

Unsuitable extinguishing media : None known.

#### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic and corrosive vapours may be released. Hydrogen cyanide. Hydrofluoric Acid. Carbon

monoxide. Carbon dioxide. Nitrogen oxides.

5.3. Advice for firefighters

Firefighting instructions : Cool tanks/drums with water spray/remove them into safety. Dilute toxic gases with water

spray.

Protection during firefighting : Gloves. Protective non-flammable clothing. Dust cloud production: compressed air/oxygen

apparatus. Heat/fire exposure: compressed air/oxygen apparatus. Gas-tight suit.

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

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid dust production.

6.1.1. For non-emergency personnel

Protective equipment : Concerning personal protective equipment to use, see section 8.

Emergency procedures : Avoid contact with eyes. Do not breathe dust.

6.1.2. For emergency responders

Protective equipment : Protective gloves. Protective clothing. Dust cloud production: compressed air/oxygen

apparatus.

## 6.2. Environmental precautions

Prevent soil and water pollution. Do not flush down sewers. Stop leak if safe to do so. Contain the spilled material by bunding. Knock down/dilute dust cloud with water spray.

#### 6.3. Methods and material for containment and cleaning up

For containment : Knock down/dilute dust cloud with water spray. Take up liquid spill into inert absorbent

material. Sweep or shovel spills into appropriate container for disposal. Store in tightly

closed, leak-proof containers.

Methods for cleaning up : Clean contaminated surfaces with an excess of water.

Other information : Dispose of contaminated materials in accordance with current regulations. Wash clothing

and equipment after handling.

#### 6.4. Reference to other sections

Concerning disposal elimination after cleaning, see section 13.

21/12/2021 (Revision date) EN (English) 3/12

23/02/2022 (Printing date)

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

#### SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

Precautions for safe handling : Avoid dust formation. Do not discharge the waste into the drain.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. If on skin, take off contaminated clothing. Wash clothing and equipment after handling. Do not eat, drink or

contaminated clothing. Wash clothing and equipment after handling. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Skin contact

: refer to section 4.1.

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

Storage conditions : Keep the container hermetically sealed. Store at ambient temperature. Heat and ignition sources : Protect from heat and direct sunlight. Keep away from ignition sources.

Special rules on packaging : Keep only in original container.

#### 7.3. Specific end use(s)

No additional information available

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

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

toluene (108-88-3)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Toluene
IOEL TWA	192 mg/m³
IOEL TWA [ppm]	50 ppm
IOEL STEL	384 mg/m³
IOEL STEL [ppm]	100 ppm
Remark	Skin
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

## 8.1.4. DNEL and PNEC

No additional information available

## 8.1.5. Control banding

No additional information available

#### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

### Appropriate engineering controls:

Provide local exhaust or general room ventilation.

#### 8.2.2. Personal protection equipment

#### Personal protective equipment symbol(s):



21/12/2021 (Revision date) EN (English) 4/12 23/02/2022 (Printing date)

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

#### 8.2.2.1. Eye and face protection

#### Eye protection:

Safety glasses. If dust are formed: Safety glasses with side shields

#### 8.2.2.2. Skin protection

#### Skin and body protection:

protective clothing

#### Hand protection:

Protective gloves. Breakthrough time: refer to the recommendations of the supplier. The protective gloves to be used must comply with the specifications of the regulation 2016/425 and the resultant standard EN 374

#### 8.2.2.3. Respiratory protection

#### Respiratory protection:

Dust production: dust mask with filter type P1

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

#### **Environmental exposure controls:**

Avoid release to the environment.

# SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Physical state Colour : brown. Appearance : Granulate.

Odour : Faint odour of ammonia. Odour threshold : No data available Melting point : No data available Freezing point : No data available : Not applicable Boiling point Flammability : Not flammable : Not explosive. Explosive properties Oxidising properties : Non oxidizing. : No data available **Explosive limits** Lower explosion limit : Not applicable Upper explosion limit : Not applicable Flash point : Not applicable Auto-ignition temperature : Not self-igniting Decomposition temperature No data available : No data available pH solution : 8,3 (1%; 22 °C) Viscosity, kinematic No data available Viscosity, dynamic Not applicable

: No data available. Solubility Partition coefficient n-octanol/water (Log Kow) : Not available Partition coefficient n-octanol/water (Log Pow) : No data available Vapour pressure : No data available Vapour pressure at 50 °C : Not available

: 0,543 - 0,582 g/ml (Before - After compaction) Density

: Not applicable Relative density Relative vapour density at 20 °C : No data available Particle size : Not available Particle size distribution : Not available Particle shape : Not available Particle aspect ratio : Not available Particle aggregation state : Not available Particle agglomeration state : Not available

21/12/2021 (Revision date) EN (English) 5/12

23/02/2022 (Printing date)

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Particle specific surface area : Not available
Particle dustiness : Not available

#### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

Relative evaporation rate (butylacetate=1) : No data available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

Avoid dust production.

#### 10.5. Incompatible materials

None to our knowledge.

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

Mainman	
LD50 oral rat	> 2000 mg/kg bodyweight (OECD 423 method)
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402 method)
LC50 Inhalation - Rat	> 5,36 mg/l
Chin correction/irritation	Net algorified (Donad on available data the algorification criteria are not mot)

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)

pH: No data available

Additional information : Not irritating to rabbits on cutaneous application

(OECD 404 method)

Serious eye damage/irritation : Causes serious eye irritation.

pH: No data available

Additional information : Irritating to rabbits on ocular application

(OECD 405 method)

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)

Additional information : Does not cause cutaneous sensitisation for guinea-pigs

(OECD 406 method)

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Flonicamid (158062-67-0)	
NOAEL (chronic, oral, animal/male, 2 years)	7,32 mg/kg bodyweight /day

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

21/12/2021 (Revision date) EN (English) 6/12 23/02/2022 (Printing date)

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Flonicamid (158062-67-0)		
NOAEL (animal/male, F0/P)	18 mg/kg bodyweight /day (OECD 416)	
NOAEL (animal/male, F1)	30 mg/kg bodyweight /day (OECD 416)	
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)	
Disodium maleate (371-47-1)		
STOT-single exposure	May cause respiratory irritation.	
toluene (108-88-3)		
STOT-single exposure	May cause drowsiness or dizziness.	
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)	
Flonicamid (158062-67-0)		
NOAEL (subchronic, oral, animal/male, 90 days)	60 mg/kg bodyweight /day (OECD 408 method)	
Docusate sodium (577-11-7)		
NOAEL (oral, rat, 90 days)	750 mg/kg bodyweight/day	
toluene (108-88-3)		
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.	
Aspiration hazard	: Not classified (Technical impossibility to obtain the data)	
Mainman		
Viscosity, kinematic	No data available	

#### 11.2. Information on other hazards

No additional information available

# **SECTION 12: Ecological information**

## 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse

effects in the environment.

Hazardous to the aquatic environment, short-term

(acute)

: Not classified (Based on available data, the classification criteria are not met)

Hazardous to the aquatic environment, long-term

: Not classified (Based on available data, the classification criteria are not met)

(chronic)

Mainman		
LC50 - Fish [1]	> 100 mg/l (96H; Oncorhynchus mykiss)	
EC50 - Crustacea [1]	> 100 mg/l ( 48H; Daphnia magna)	
ErC50 algae	> 100 mg/l (72H; Pseudokirchneriella subcapitata)	
Flonicamid (158062-67-0)		
NOEC chronic fish	10 mg/l (33d; Pimephales promelas; OECD 210)	
NOEC chronic crustacea	3,1 mg/l (21d; Daphnia magna; OECD 211)	
NOEC chronic algae	46 mg/l (72H; Pseudokirchneriella subcapitata; OECD 201)	

# 12.2. Persistence and degradability

Flonicamid (158062-67-0)	
Persistence and degradability	Not readily biodegradable.
Docusate sodium (577-11-7)	
Persistence and degradability	Readily biodegradable.

1/12/2021 (Revision date) EN (English) 7/12

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Isotridecanol, ethoxylated (69011-36-5)	
Persistence and degradability	Readily biodegradable.
Biodegradation	> 60 % CO2 (28 days) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) ; >= 90 % Bismuth-active substance (OECD 301E) / By analogy

## 12.3. Bioaccumulative potential

Mainman		
Partition coefficient n-octanol/water (Log Pow)	No data available	
Flonicamid (158062-67-0)		
Partition coefficient n-octanol/water (Log Pow)	-0,24 (20 °C)	
Bioaccumulative potential	Not potentially bioaccumulable.	
Methylnaphtalenesulfonic acid/formaldehyde, copolymer, sodium salt (81065-51-2)		
Bioaccumulative potential	Not potentially bioaccumulable.	
Docusate sodium (577-11-7)		
Partition coefficient n-octanol/water (Log Pow)	2	
Bioaccumulative potential	Low bioaccumulation potential.	
Isotridecanol, ethoxylated (69011-36-5)		
Bioaccumulative potential	Negligible.	

## 12.4. Mobility in soil

Flonicamid (158062-67-0)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0,77
Docusate sodium (577-11-7)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2,98

#### 12.5. Results of PBT and vPvB assessment

Mainman	
	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
	This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

## 12.6. Endocrine disrupting properties

No additional information available

## 12.7. Other adverse effects

No additional information available

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

Waste treatment methods : Do not dispose of with domestic waste.

Product/Packaging disposal recommendations : Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.

Dispose of in accordance with relevant local regulations.

Ecology - waste materials : Do not discharge into drains or rivers.

European List of Waste (LoW) code : 07 04 99 - wastes not otherwise specified

15 01 02 - plastic packaging

21/12/2021 (Revision date) EN (English) 8/12

21/12/2021 (Revision date 23/02/2022 (Printing date)

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

## **SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
I4.1. UN number or ID n	umber			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping	g name			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard c	lass(es)			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
4.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental haz	ards			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

#### 14.6. Special precautions for user

#### **Overland transport**

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

#### Inland waterway transport

Not applicable

#### Rail transport

Not applicable

#### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Contains substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

21/12/2021 (Revision date) EN (English) 9/12

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Name	CN designation	CAS-No.	CN code	Category	Threshold	Annex
Toluene		108-88-3	2902 30 00	Category 3		Annex I

# 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

# **SECTION 16: Other information**

Indication of changes			
Section	Changed item	Change	Comments
	Revision date	Modified	
	Supersedes	Modified	
1.1	Trade name	Added	
1.1	Name	Added	
2.1	Adverse physicochemical, human health and environmental effects	Modified	
3	Composition/information on ingredients	Modified	
4.1	First-aid measures after skin contact	Modified	
4.1	First-aid measures after ingestion	Modified	
4.2	Symptoms/effects after inhalation	Added	
4.2	Symptoms/effects after eye contact	Modified	
5.1	Unsuitable extinguishing media	Modified	
5.1	Suitable extinguishing media	Modified	
6.4	Reference to other sections (8, 13)	Modified	
7.1	Hygiene measures	Modified	
8.2	Skin and body protection	Modified	
8.2	Appropriate engineering controls	Modified	
8.2	Environmental exposure controls	Added	
9.1	Decomposition temperature	Added	
9.1	Melting point	Added	
9.1	Relative evaporation rate (butylacetate=1)	Added	
9.1	Relative vapour density at 20 °C	Added	
9.1	Vapour pressure	Added	
9.1	Viscosity, kinematic	Modified	
9.1	Flammability (solid, gas)	Added	
9.1	Density	Modified	
9.1	Log Pow	Added	
9.1	рН	Added	
9.1	Odour threshold	Added	
9.1	pH solution	Modified	
12.1	LC50 fish 1	Modified	

21/12/2021 (Revision date) 23/02/2022 (Printing date)

EN (English)

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Indication of changes			
Section	Changed item	Change	Comments
12.1	EC50 Daphnia 1	Modified	
12.1	ErC50 (algae)	Modified	
12.3	Log Pow	Added	
16	Abbreviations and acronyms	Modified	

Abbreviations and ac	ronyms:
РВТ	Persistent Bioaccumulative Toxic
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
vPvB	Very Persistent and Very Bioaccumulative
LC50	Median lethal concentration
LD50	Median lethal dose
EC50	Median effective concentration
NOEC	No-Observed Effect Concentration
IMDG	International Maritime Dangerous Goods
IATA	International Air Transport Association
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EN	European Standard
IARC	International Agency for Research on Cancer
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PNEC	Predicted No-Effect Concentration
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Abbreviations and acronyms:		
CAS-No.	Chemical Abstract Service number	
N.O.S.	Not Otherwise Specified	
ED	Endocrine disrupting properties	

Data sources : SDS of suppliers. ECHA (European Chemicals Agency).

Full text of H- and EUI	H-statements:
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
EUH210	Safety data sheet available on request.
EUH401	To avoid risks to human health and the environment, comply with the instructions for use.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis

The classification complies with : ATP 8

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

EN (English) 12/12