

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 4/11/2022 Date of revision: 10/2/2024 Supersedes version of: 4/11/2022 Version: 1.1

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

1.1. Product identifier

Product form	: Mixture
Name	: Fluroxypyr(200) EC
Trade name	: MINSTREL

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

Relevant identified uses

Main use category Industrial/Professional use spec Use of the substance/mixture

- : Professional use Plant protection products :
- Herbicide

1.3. Details of the supplier of the safety data sheet

UPL Holdings Coöperatief U.A. Claudius Prinsenlaan 144 A 4818 CP BREDA, NOORD-BRABANT The Netherlands T 0031 (0) 85 0712300 EUR-SDS.info@upl-Itd.com, www.upl-Itd.com

1.4. Emergency telephone number

Emergency number

: Rest of the world (English): +44 1865 407333 Europe (English): +44(0)1235 239670 112 (European Emergency Number) Greece: +30 21 1198 3182 (Greek)

Country/Area	Organisation/Company	Address	Emergency number	Comment
Cyprus	Poison center		1401	
Greece	Poisons Information Centre Children's Hospital "Aglaia. Kyriakou"	11527 Athens	+30 2 10 779 3777	-

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flammable liquids, Category 3 H226 Serious eye damage/eye irritation, Category 2 H319 Specific target organ toxicity - Single exposure, Category 3,H336 Narcosis Specific target organ toxicity - Single exposure, Category 3,H335 Respiratory tract irritation Aspiration hazard, Category 1 H304 Hazardous to the aquatic environment - Chronic Hazard, H410 Category 1

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

Adverse physicochemical, human health and environmental effects

No additional information available

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2.2. Label elements

Labelling according to Regulation (EC) No. 1272 Hazard pictograms (CLP)	2/2008 [CLP]
Signal word (CLP)	GHS02 GHS07 GHS08 GHS09 : Danger
Contains	: Hydrocarbons, C9, aromatics (low cumene < 0.1%); butan -1-ol; n-butanol
Hazard statements (CLP)	: H226 - Flammable liquid and vapour.
	H304 - May be fatal if swallowed and enters airways.
	H319 - Causes serious eye irritation.
	H335 - May cause respiratory irritation.
	H336 - May cause drowsiness or dizziness.
	H410 - Very toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P210 - Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
	P264 - Wash hands, forearms and face thoroughly after handling. P270 - Do not eat, drink or smoke when using this product.
	P280 - Wear protective gloves/protective clothing/eye protection/face protection.
	P301+P310+P331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do
	NOT induce vomiting.
	P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.
	Rinse skin with water.
	P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 - Call a POISON CENTER if you feel unwell.
	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.
	P370+P378 - In case of fire: Use media other than water to extinguish.
	P405+P102 - Store locked up. Keep out of reach of children.
	P391 - Collect spillage.
	P501 - Dispose of contents/container to National regulations.
EUH-statements	: EUH066 - Repeated exposure may cause skin dryness or cracking.
	EUH401 - To avoid risks to human health and the environment, comply with the instructions
	for use.
Extra phrases	: In case of accident or if you feel unwell seek medical advice immediately and show this package or label. Wear a work uniform and gloves when mixing/loading and applying. Wear a work uniform and gloves when re-entering the crop after spraying.
2.3. Other hazards	

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH 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 substance(s) are 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 %

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C9, aromatics (Iow cumene < 0.1%)	EC-No.: 918-668-5 REACH-no: 01-2119455851- 35-XXXX	50 – 80	Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066
fluroxypyr-meptyl (ISO); methylheptyl, O-(4-amino- 3,5-dichloro-6-fluoro-2-pyridyloxy) acetate	CAS-No.: 81406-37-3 EC-No.: 279-752-9 EC Index-No.: 607-272-00-5	25 – 50	Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)
Benzenesulfonicacid, mono-C11-13-branched alkyl derivs., calcium salt	CAS-No.: 68953-96-8 EC-No.: 273-234-6 REACH-no: 01-2119964467- 24-xxxx	1 - 5	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg bodyweight) Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411
butan-1-ol; n-butanol substance with national workplace exposure limit(s) (GR)	CAS-No.: 71-36-3 EC-No.: 200-751-6 EC Index-No.: 603-004-00-6 REACH-no: 01-2119484630- 38	0.3 - 1.5	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) STOT SE 3, H335 Skin Irrit. 2, H315 Eye Dam. 1, H318 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 : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Remove person to fresh air and keep comfortable for breathing. Call a POISON First-aid measures after inhalation : CENTER/doctor if you feel unwell. First-aid measures after skin contact Take off immediately all contaminated clothing. Rinse skin with water/shower. Repeated : exposure may cause skin dryness or cracking. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy First-aid measures after eye contact : to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. 4.2. Most important symptoms and effects, both acute and delayed Symptoms/effects after inhalation : May cause respiratory irritation. May cause drowsiness or dizziness. Symptoms/effects after eye contact : Causes serious eye irritation. Symptoms/effects after ingestion : May be fatal if swallowed and enters airways.

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

Treat symptomatically.

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SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media Unsuitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand. : Do not use a heavy water stream.
5.2. Special hazards arising from the subst	ance or mixture
Fire hazard Explosion hazard Hazardous decomposition products in case of fire	 Flammable liquid and vapour. May form flammable/explosive vapour-air mixture. Fire may produce irritating and/or toxic vapours, mists or other products of combustion.
5.3. Advice for firefighters	
Firefighting instructions Protection during firefighting	 Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	 Wear self-contained breathing apparatus and protective suit (see section 8). Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures		
6.1. Personal precautions, protective equipment and emergency procedures		
General measures	: Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.	
For non-emergency personnel		
Protective equipment Emergency procedures	 For further information refer to section 8: "Exposure controls/personal protection". Evacuate unnecessary personnel. Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Only qualified personnel equipped with suitable protective equipmentmay intervene. See section 8 of the SDS for more information on personal protective equipment. 	
For emergency responders		
Protective equipment	 Equip cleanup crew with proper protection. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Ventilate area. 	
Emergency procedures		
6.2. Environmental precautions		

Prevent entry to sewers and public waters. If spillage occurs on the public highway, indicate the danger and notify the authorities (police, fire brigade).

For containment	: Collect spillage.
Methods for cleaning up	: Small quantities of liquid spill: take up in non-combustible absorbent material and shove into container for disposal. Recover large spills by pumping (use an explosion proof or hand pump).
Other information	Dispose of materials or solid residues at an authorized site. Keep contaminated washing water and dispose of appropriately. Keep in suitable, closed containers for disposal Dispose of in accordance with relevant local regulations. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Do no discharge into drains or rivers. Dispose of contents/container in accordance with licensed collector's sorting instructions. Discharging into rivers and drains is forbidden.

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

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SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Additional hazards when processed Precautions for safe handling	 Handle empty containers with care because residual vapours are flammable. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.
Hygiene measures	: Wash hands, forearms and face thoroughly after handling.
7.2. Conditions for safe storage, includi	ng any incompatibilities
Technical measures	: Proper groundingprocedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment.
Storage conditions	: Keep only in the original container in a cool, well ventilated place. Keep container tightly closed. Protect from freezing. Protect from heat and direct sunlight.
Incompatible products	: Strong bases. Strong acids.
Incompatible materials	: Sources of ignition. Direct sunlight. Heat sources.
7.3. Specific end use(s)	

refer to label.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

1-Butanol (71-36-3)		
Greece - Occupational Exposure Limits		
Local name	Βουτανόλη, n-	
OEL TWA	300 mg/m ³	
	100 ppm	
OEL STEL	300 mg/m ³	
	100 ppm	
Remark	Η ένδειξη «δέρμα» στις οριακές τιμές επαγγελματικής έκθεσης επισημαίνει το ενδεχόμενο σημαντικής διείσδυσης μέσω του δέρματος.	
Regulatory reference	Π.Δ. 90/1999 - Προστασία της υγείας των εργαζομένων που εκτίθενται σε ορισμένους χημικούς παράγοντες κατά τη διάρκεια της εργασίας τους	

8.2. Exposure controls

Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Eye and face protection

Eye protection:

Safety glasses (ISO 16321-1)

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Skin protection

Skin and body protection:

Wear standard coveralls and Category 3 Type 4 suit (EN 13688 + EN 14605:2005 + A1:2009).

If there is a risk of significant exposure, consider a higher protective type suit.

Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.

Hand protection:

Protective gloves (ISO 374-1)

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	> 0.4	3 (> 0.65)	

Respiratory protection

Respiratory protection:

Where exposure through in halation may occur from use, respiratory protection equipment is recommended. In case of inadequate ventilation wear respiratory protection.

Respiratory protection			
Device	Filter type	Condition	Standard
Full face mask	Filter AX (brown), Type P2		EN 14387

Environmental exposure controls

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and chemical properties		
Physical state	: Liquid	
Colour	: white to slightly yellow.	
Appearance	: Emulsifiable Concentrate.	
Odour	: Characteristic.	
Odour threshold	: Not available	
Melting point	: Not available	
Freezing point	: Not available	
Boiling point	: Not available	
Flammability	: Flammable liquid and vapour.	
Explosive properties	: Based on the chemical structure there is no indication of explosive properties. Test method EU A.14.	
Oxidising properties	: None under normal use. Test method EU A.21.	
Lower explosion limit	: Not available	
Upper explosion limit	: Not available	
Flash point	: 48 °C EC A.9	
Auto-ignition temperature	: > 434 ℃ EC A.15	
Decomposition temperature	: Not available	
рН	: 5.5 (1% solution, 20 ℃) CIPAC MT 75.3	
Viscosity, kinematic	: 3.11 mm²/s 20 °C, OECD 114	
Solubility	: Not available	
Partition coefficient n-octanol/water (Log Kow)	: Not available	
Vapour pressure	: Not available	
Vapour pressure at 50°C	: Not available	
Density	: Not available	
Relative density	: 0.975 g/mL EC A.3	
Relative vapour density at 20°C	: Not available	
Particle characteristics	: Not applicable	

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9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

SECTION 11: Toxicological information

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

Acute toxicity (dermal) :	Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met)			
LD50 oral rat	> 5000 mg/kg OECD 423			
LD50 dermal rat	> 2000 mg/kg OECD 402			
LC50 Inhalation - Rat	> 5.144 mg/l OECD 403			
Fluroxypyr-meptyl (81406-37-3)				
LD50 oral rat	> 2000 mg/kg EFSA			
LD50 dermal rat	> 2000 mg/kg EFSA			
LC50 Inhalation - Rat	> 1 mg/l/4h highiest atteinable concentration, EFSA			
Benzenesulfonic acid, mono-C11-13-branche	d alkyl derivs., calcium salt (68953-96-8)			
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Remarks on results: other:			
LD50 dermal rat	1000 – 1600 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)			
1-Butanol (71-36-3)				
LD50 oral rat	≈ 2292 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 401 (Acute Oral Toxicity)			
LD50 oral	2100 mg/kg			

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1-Butanol (71-36-3)	
LD50 dermal rabbit	≈ 3430 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal	3400 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	24.2 mg/l/4h
LC50 Inhalation - Rat (Vapours)	> 17.76 mg/l/4h
Hydrocarbons, C9, aromatics (low cume	ene < 0.1%)
LD50 oral rat	3492 mg/kg OECD 401
LD50 dermal rabbit	> 3160 mg/kg OECD 402
LC50 Inhalation - Rat	> 6193 mg/m³ OECD 403
Skin corrosion/irritation	: Not classified
Additional information	 pH: 5.5 (1% solution, 20 °C) CIPAC MT 75.3 Slightly irritant but not relevant for classification (OECD 404 method)
Fluroxypyr-meptyl (81406-37-3)	
рН	Not applicable
Hydrocarbons, C9, aromatics (low cumo	ene < 0.1%)
pН	not applicable
Serious eye damage/irritation	: Causes serious eye irritation.
Additional information	pH: 5.5 (1% solution, 20 ℃) CIPAC MT 75.3 : Causes eye irritation (OECD 405 method)
Fluroxypyr-meptyl (81406-37-3)	
pН	Not applicable
Hydrocarbons, C9, aromatics (low cumo	ene < 0.1%)
рН	not applicable
Respiratory or skin sensitisation	: Not classified ((OECD 406 method); Based on available data, the classification criteria ar not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity Reproductive toxicity	 Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met)
Fluroxypyr-meptyl (81406-37-3)	. Not classified (based on available data, the classification chiefla are not met)
NOAEL (animal/male, F0/P)	500 mg/kg bodyweight
NOAEL (animal/male, F1)	500 mg/kg bodyweight
STOT-single exposure	: May cause drowsiness or dizziness. May cause respiratory irritation.
1-Butanol (71-36-3)	
STOT-single exposure	May cause respiratory irritation. May cause drowsiness or dizziness.
Hydrocarbons, C9, aromatics (low cumo	ene < 0.1%)
STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.
STOT-repeated exposure Aspiration hazard	 Not classified (Based on available data, the classification criteria are not met) May be fatal if swallowed and enters airways.
MINSTREL	
Viscosity, kinematic	3.11 mm ² /s 20 °C, OECD 114

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Fluroxypyr-meptyl (81406-37-3)			
Viscosity, kinematic Not applicable			
1-Butanol (71-36-3)			
Viscosity, kinematic 3.641 mm ² /s			
Hydrocarbons, C9, aromatics (low cumene < 0.1%)			
Viscosity, kinematic 0.8 mm ² /s (40°C)			
Hydrocarbon	Yes		
11.2. Information on other hazards			

Other information

Potential adverse human health effects and : Based on available data, the classification criteria are not met symptoms

SECTION 12: Ecological information

12.1. Toxicity

(chronic)

Hazardous to the aquatic environment, short-term : Not classified (Based on available data, the classification criteria are not met) (acute)

Hazardous to the aquatic environment, long-term : Very toxic to aquatic life with long lasting effects.

MINSTREL				
LC50 fish	3.2 mg/l OECD 203			
EC50 Daphnia	5.81 mg/l OECD 202			
EC50 72h - Algae	> 100 mg/l OECD 201			
Fluroxypyr-meptyl (81406-37-3)				
LC50 - Fish	0.225 mg/l/96h Oncorhynchus mykiss, EFSA			
EC50 - Crustacea	> 0.183 mg/l/48h Daphnia magna, EFSA			
ErC50 algae	0.208 mg/l/120h Skeletonema costatum, EFSA			
ErC50 other aquatic plants	> 2.31 Lemna gibba, 14d, EFSA			
Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., calcium salt (68953-96-8)				
LC50 - Fish	10 – 100 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio reri			
EC50 - Crustacea	56 – 100 mg/l Test organisms (species): Daphnia magna			
EC50 96h algae	29 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous name Raphidocelis subcapitata, Selenastrum capricornutum)			
NOEC (chronic)	1.18 mg/l Test organisms (species): Daphnia magna Duration: '21 d'			
NOEC chronic fish	0.23 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salm gairdneri) Duration: '72 d'			
1-Butanol (71-36-3)				
LC50 - Fish	1376 mg/l Test organisms (species): Pimephales promelas			
EC50 - Crustacea	1328 mg/l Test organisms (species): Daphnia magna			
EC50 96h algae	225 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)			
NOEC (chronic)	4.1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'			

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1-Butanol (71-36-3)				
OEC chronic crustacea 4.1 mg/l				
Hydrocarbons, C9, aromatics (low cumene < 0.1%)				
LC50 - Fish	9.2 mg/l/96h (96h Salmo gairdneri)			
EC50 - Crustacea	3.2 mg/l/48h (48h Daphnia magna)			
ErC50 algae	2.9 mg/l/72h (72h Pseudokirchneriella subcapitata)			
NOEC (chronic)	2.14 mg/l (21d Daphnia magna)			

12.2. Persistence and degradability

MINSTREL				
Persistence and degradability	May cause long-term adverse effects in the environment.			
Fluroxypyr-meptyl (81406-37-3)				
Persistence and degradability Not readily biodegradable.				
Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., calcium salt (68953-96-8)				
Persistence and degradability Not rapidly degradable				
1-Butanol (71-36-3)				
Persistence and degradability Readily biodegradable.				
Biodegradation 92 % 15 days				
Hydrocarbons, C9, aromatics (low cumene < 0.1%)				
Persistence and degradability	Readily biodegradable.			
Biodegradation	78 % (28d OECD 301F)			

12.3. Bioaccumulative potential

Fluroxypyr-meptyl (81406-37-3)		
Partition coefficient n-octanol/water (Log Pow) 5.04 (pH= 7)		
1-Butanol (71-36-3)		
Bioconcentration factor (BCF REACH) 3.16		
Partition coefficient n-octanol/water (Log Pow)	1 (OECD 117 method)	

12.4. Mobility in soil

MINSTREL			
Surface tension 29.7 mN/m (25°C), OECD 115, EC A.5			
1-Butanol (71-36-3)			
Surface tension	69.9 mN/m (OECD 115 method)		

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

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12.7. Other adverse effects			
Additional information	: Avoid release to the environment.		
SECTION 13: Disposal considerations			
13.1. Waste treatment methods			
Waste treatment methods	: Dispose of in accordance with relevant local regulations. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Dispose or contents/container in accordance with licensed collector's sorting instructions. Discharging into rivers and drains is forbidden.		

Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local,
	regional, national and/or international regulation.
Additional information	: Handle empty containers with care because residual vapours are flammable. Do not
	contaminate water with the product or its container. Do not clean application equipment
	near surface water. Recycle or dispose of in compliance with current legislation.
Ecological waste information	: Avoid release to the environment. Hazardous waste due to toxicity.
European List of Waste (LoW, EC 2000/532)	: 02 01 08* - agrochemical waste containing dangerous substances

SECTION 14: Transport information

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID n	umber			
UN 1993	UN 1993	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping	g name			
FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9, aromatics (low cumene < 0.1%))	FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9, aromatics (Iow cumene < 0.1%))	Not regulated	Not regulated	Not regulated
Transport document desc	ription			
UN 1993 FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9, aromatics (low cumene < 0.1%)), 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS	UN 1993 FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9, aromatics (Iow cumene < 0.1%)), 3, III, MARINE POLLUTANT/ENVIRONME NTALLY HAZARDOUS	Not regulated	Not regulated	Not regulated
14.3. Transport hazard o	:lass(es)			
3	3	Not regulated	Not regulated	Not regulated
		Not regulated	Not regulated	Not regulated
14.4. Packing group				
Ш	111	Not regulated	Not regulated	Not regulated

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ADR	IMDG	ΙΑΤΑ	ADN	RID
14.5. Environmental ha	zards			
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes EmS-No. (Fire): F-E EmS-No. (Spillage): S-E	Not regulated	Not regulated	Not regulated
No supplementary information	ation available			

14.6. Special precautions for user

Overland transport

Classification code (ADR)	:	F1
Special provisions (ADR)	:	274, 601
Limited quantities (ADR)	:	51
Excepted quantities (ADR)	:	E1
Packing instructions (ADR)	:	P001, IBC03, LP01, R001
Mixed packing provisions (ADR)	:	MP19
Portable tank and bulk container instructions (ADR)	:	Τ4
Portable tank and bulk container special provisions	:	TP1, TP29
(ADR)		
Tank code (ADR)	:	LGBF
Vehicle for tank carriage	:	FL
Transport category (ADR)	:	3
Special provisions for carriage - Packages (ADR)	:	V12
Special provisions for carriage - Operation (ADR)	:	S2
Hazard identification number (Kemler No.)	:	30
Orange plates	:	30
		1993
Tunnel restriction code	:	D/E
Transport by sea		
Special provisions (IMDG)	:	223, 274, 955
,		

Special provisions (INDG)	. 223, 274, 955
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: LP01, P001
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1, TP29
Stowage category (IMDG)	: A

Air transport

Not regulated

Inland waterway transport Not regulated

Rail transport Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone lay er)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes				
Section	Changed item	Comments		
3	Composition/information on ingredients	Modified Fluroxypyr-meptyl		
4.3	Treatment	Added		
5.2	Hazardous decomposition products in case of fire	Added		
5.3	Other information	Added		
5.3	Protection during firefighting	Modified		
6.1	Protective equipment	Added		
6.1	Protective equipment	Modified		
6.1	Emergency procedures	Modified		
6.2	Environmental precautions	Modified		
6.3	For containment	Added		
6.3	Other information	Added		
6.3	Methods for cleaning up	Modified		

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Indication of changes				
Section	Changed item	Comments		
6.4	Reference to other sections (8, 13)	Modified		
7.3	Specific end uses	Added		
11.1	Reason for no classification	Added		
13.1	Waste treatment methods	Added		
13.1	European List of Waste (LoW, EC 2000/532)	Added		
13.1	Regional legislation (waste)	Modified		
13.1	Additional information	Modified		

Data sources

 REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
 None.

Other information

Full text of H- and EUH-statements:				
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4			
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4			
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1			
Aquatic Chronic 1	uatic Chronic 1 Hazardous to the aquatic environment – Chronic Hazard, Category 1			
Aquatic Chronic 2	Aquatic Chronic 2 Hazardous to the aquatic environment – Chronic Hazard, Category 2			
Asp. Tox. 1	Asp. Tox. 1 Aspiration hazard, Category 1			
EUH066	Repeated exposure may cause skin dryness or cracking.			
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			
Flam. Liq. 3	Flammable liquids, Category 3			
H226	Flammable liquid and vapour.			
H302	Harmful if swallowed.			
H304	May be fatal if swallowed and enters airways.			
H312	Harmful in contact with skin.			
H315	Causes skin irritation.			
H318	Causes serious eye damage.			
H319	Causes serious eye irritation.			
H335	May cause respiratory irritation.			
H336	May cause drowsiness or dizziness.			
H400	Very toxic to aquatic life.			
H410	Very toxic to aquatic life with long lasting effects.			
H411	Toxic to aquatic life with long lasting effects.			
Skin Irrit. 2	Skin corrosion/irritation, Category 2			
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation			

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:				
Flam. Liq. 3	H226	On basis of test data		
Eye Irrit. 2	H319	Expert judgement		
STOT SE 3	H336	Calculation method		
STOT SE 3	H335	Calculation method		
Asp. Tox. 1	H304	Calculation method		
Aquatic Chronic 1	H410	Expert judgement		

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.