3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1. Substances : Refers to a mixture

3.2. Mixtures

Description of the mixture

Name	CAS №	EC №	Index №	REACH Reg. №	Concentration (% w/v)	Classification according Regulation (EC) № 1272/2008 (CLP)	SCL, M-factor, ATE
Fluroxypyr (ISO), *4-amino-3,5-dichloro-6-fluoro-2-pyridyloxyacetic acid (IUPAC)* **Equivalent to** Fluroxypyr-meptyl (ISO), *(RS)-1-methylheptyl 4-amino-3,5-dichloro-6-fluoro-2-pyridyloxyacetate (IUPAC)*	69377-81-7	-	607-255-00-2	-	25 ± 1.5%	Aquatic Chronic 3; H412	-
	81406-37-3	279-752-9	607-272-00-5	-	36 ± 1.8%	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	-
1-octyl-2-pyrrolidon; N-(n-octyl)-2-pyrrolidone	2687-94-7	403-700-8	613-098-00-0	-	2.5 – 10%	Skin Corr. 1B; H314 Aquatic Chronic 2; H411	-
Benzenesulphonic acid, mono C10-13-linear alkyl derivates, calcium salt	90194-26-6	932-231-6	-	01-2119560592-37-xxxx	< 3%	Eye Dam. 1; H318 Skin Irrit. 2; H315 Aquatic Chronic 3; H412	-
Ethoxylated oleil amine, dodecylbenzenesulhponic salt	66467-20-7	-	-	-	< 2.5%	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 2; H411	-
iso-butanol; 2-methylpropan-1-ol	78-83-1	201-148-0	603-052-00-2	01-2119484609-23-xxxx	< 2%	Flam. Liq. 3; H226 Eye Dam. 1; H318 Skin Irrit. 2; H315 STOT SE3; H335 STOT SE 3; H336	-
Hydrocarbons, C10, aromatics, <1% naphthalene	-	918-811-1	-	01-2119463583-34-xxxx	30 – 50%	Asp. Tox. 1; H304 STOT SE 3; H336 Aquatic Chronic 2; H411	-

For full text of Hazard categories and Hazard statements: see SECTION 16 (v).

4. FIRST AID MEASURES

4.1. Description of first aid measures : Have the product container, label or Safety Data Sheet with you when calling a poison control centre or physician.

Following inhalation : Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

Following skin contact : Wash skin thoroughly with mild soap and plenty of water for at least 15 minutes. Remove contaminated clothing and shoes.

AGRIA S.A. 4009 Plovdiv BULGARIA	SAFETY DATA SHEET According to Annex II of Regulation (EC) № 1907/2006 and Regulation (EC) № 1272/2008 [CLP]	Issue date: 01.12.2020 Edition № 3
	ELTIVIS	Date of edition: 20.05.2022

1. IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND OF THE COMPANY/ UNDERTAKING

1.1. Product identifiers

Name of the substance	:	Fluroxypyr-meptyl 360 g/l EC
EC №	:	-
Registration № (REACH)	:	-
CAS №	:	-
UFI	:	1T10-D0S6-T005-Q84S

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

Identified uses	:	Herbicide

1.3. Details of the supplier of the safety data sheet

Manufacture/ Supplier	:	AGRIA S.A.
Street/ Zip Code	:	Asenovgradsko shose, 4009 Plovdiv
Phone	:	032 273 500, the phone number is available only during office hours
Fax	:	+ 359 32 63 83 77
E-mail	:	agria@agria.bg

1.4. Emergency telephone number : Emergency telephone: 021/318 36 06 or 021 318 36 20/ extension 235 (Monday – Friday 8:00 – 15:00); Toxicological Information Center, National Institute of Public Health; Str. Dr. Leonte Anastasievici, Nr 1-3; 050 463

2. HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

Classification According Regulation (EC) No 1272/2008 (CLP) : *Asp. Tox. 1; H304*
Skin Corr. 1B; H314
STOT SE 3; H336
Aquatic Acute 1; H400
Aquatic Chronic 1; H410

2.2. Label elements

Labeling according to Regulation (EC) No 1272/2008 (CLP)

For containment and cleaning	:	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Do not dispose the product and/ or contaminated materials into the sewage systems, water sources or water bodies. Collect into an appropriate, labelled tightly sealed waste container. Store the container at an appropriate place for further treatment or disposal according to the national legislation.
Other information	:	No available information
6.4. Reference to other sections	:	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautionary measures	:	No specific handling precautions apply to unopened containers. Follow relevant manual handling guidance and good industrial practice procedures.
Measures to prevent fire	:	No specific measures to prevent fire
Measures to prevent aerosol and dust	:	When handling opened containers eye protection and impervious gloves are required.
Measures for environmental protection	:	No specific measures to environmental protection
Advice on general occupational hygiene	:	When using do not eat, drink or smoke. Avoid contact with skin, eyes and clothing. Avoid inhalation of aerosol/ mists/ vapors. Wash hands thoroughly after using this substance. Do not touch spilled material. Wear suitable protective clothing, eye/ face protection and gloves. Avoid aerosol formation. Keep out of reach of children. Avoid inhalation of spray mist. When mixing or applying, wear protective clothing as described in section 8. Wash hands and face after use. Wash protective clothing after use. Always read the label before use. See label for further information on handling and storage.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions	:	Store in a dry and cool place in original packaging. Protect from water and humidity.
Packing materials	:	Keep in unopened original packing.
Requirements for storage rooms and vessels	:	Keep away from food, feed, fertilizers, herbicides, insecticides and seed. Keep away from direct heating, open flames and sunlight. Segregate from incompatible substances such strong basic, acidic or oxidizing materials. Segregate from foods and animal feeds.
Class of storage	:	No available information
Additional information on storage conditions	:	No available additional information

7.3. Specific end use(s)

Recommendations	:	See point 7.1, 7.2 and the label/ leaflet for relevant uses of this product.

8. EXPOSURE CONTROL/ PERSONAL PROTECTION

8.1. Control parameters

(i) Auto – ignition temperature	:	Product is not self-igniting
(j) Decomposition temperature	:	Not available information
(k) pH (1% solution)	:	5.0 ÷ 8.0
(l) Kinematic viscosity	:	Not available information
(m) Solubility	:	Not available information
(n) Partition coefficient n-octanol/ water	:	Not available information
(o) Vapour pressure	:	Not available information
(p) Density and/ or relative density	:	1.007 ± 0.01 g/cm^3 at 20 °C
(q) Relative vapour density	:	Not available information
(r) Particle characteristics	:	Not applicable

9.2. Other information

Corrosion	:	Not corrosive
Explosive properties	:	Not explosive
Oxidizing properties	:	Not an oxidizing agent

10. STABILITY AND REACTIVITY

10.1. Reactivity	:	No hazardous reactions when stored and handled according to instructions.
10.2. Chemical stability	:	Stable under normal conditions.
10.3. Possibility of hazardous reactions	:	Not known
10.4. Conditions to avoid	:	Avoid storage at temperature below 5 °C and above 30 °C in a confined place. Slow decomposition in presence of heat and moisture. Prevent heating of the material to avoid thermal decomposition.
10.5. Incompatible materials	:	Avoid contact with strong oxidants and strong acids and basis. Decomposes under alkaline and acidic conditions.
10.6. Hazardous decomposition products	:	See section 5.

11. TOXICOLOGICAL INFORMATION

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

Data on the technical active ingredient

Acute oral toxicity
LD_{50} > 2000 mg/kg bw (rats) for a.i. Fluroxypyr-meptyl

Acute dermal toxicity
LD_{50} = 2000 mg/kg bw (rats) for a.i. Fluroxypyr-meptyl

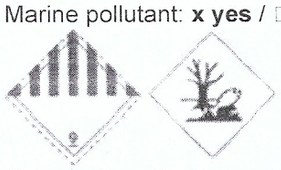
Acute inhalation toxicity
LC_{50} > 1.0 mg/L air (rats) for a.i. Fluroxypyr-meptyl

Skin corrosion/ irritation: Classified as skin corrosion, category of danger 1B
Serious eye damage/ irritation: Classified as serious eye damage, category of danger 1
Respiratory or skin sensitization: Not classified as respiratory or skin sensitization

Germ cell mutagenicity	:	Not available
Carcinogenicity	:	Not carcinogenic
Reproductive toxicity	:	Not available
STOT – single exposure	:	Classified as STOT – single exposure, category of danger 3
STOT – repeated exposure	:	Not available
Aspiration hazards	:	Classified as aspiration hazard, category of danger 1

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties	:	This product does not contain any known or suspected endocrine disruptors.

UN-No. (ADR)	:	3082
UN proper shipping name	:	Environmentally hazardous substance, liquid, n.o.s. (contains fluroxypyr-meptyl)
Transport hazard class(es)	:	9
Packing group	:	III
Environmental hazards	:	ADR/RID/ IMDG-Code/ ICAO-TI/ IATA-DGR: **x yes** / □ no Marine pollutant: **x yes** / □ no
Marking	:	
Special precautions for user	:	See sections 6 – 8

15. REGULATORY INFORMATION

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

EU Legislations:

EC Regulation 1107/2009 of the European Parliament and of the Council of 21 October 2009 concerning the placing of plant protection products and repealing Directives 79/117/EEC and 91/414/EEC
Applicable

REGULATION (EC) No 1272/2008 of the European parliament and of the Council of 16 December 2008 on classification, labelling and packing of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Applicable

REGULATION (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemical Agency, amending Directive 1999/45/EC and repealing Council regulation (EEC) No 793/93 and Commission regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.
No restrictions

COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
Applicable

COMMISSION REGULATION (EU) No 547/2011 of 8 June 2011 implementing Regulation (EC) No 1107/2009 of the European Parliament and of the Council as regards labelling requirements for plant protection products
Applicable

DIRECTIVE 2012/18/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 on the control of major-accident hazards involving dangerous substances, amending and subsequently repealing Council Directive 96/82/EC
This product is classified under the Seveso III Directive

Seveso III Directive
E1: Hazardous to the aquatic environment – Acute and Chronic 1

Eye Dam. 1 – Eye damage, category of danger 1; **H318** Causes serious eye damage
STOT SE 3 – Specific target organ toxicity – single exposure, category of danger 3; **H335** May cause respiratory irritation
STOT SE 3 – Specific target organ toxicity – single exposure, category of danger 3; **H336** May cause drowsiness or dizziness
Aquatic Acute 1 – Hazardous to the aquatic environment – acute, category of danger 1; **H400** Very toxic to aquatic life
Aquatic Chronic 1 – Hazardous to the aquatic environment – chronic, category of danger 1; **H410** Very toxic to aquatic life with long lasting effects
Aquatic Chronic 2 – Hazardous to the aquatic environment – chronic, category of danger 2; **H411** Toxic to aquatic life with long lasting effects
Aquatic Chronic 3 – Hazardous to the aquatic environment – chronic, category of danger 3; **H412** Harmful to aquatic life with long lasting effects

(vi) Training advice

General occupational hygiene training recommended

(vii) Further information

THE INFORMATION PRESENTED IN THIS SAFETY DATA SHEET IS BASED ON OUR KNOWLEDGE OF THE PRODUCT AT THE DATE OF ISSUE AND IS INTENDED TO PROVIDE ONLY GENERAL HEALTH AND SAFETY GUIDANCE.
THIS SAFETY DATA SHEET COMPLEMENTS THE TECHNICAL SPECIFICATION/ LABEL/ LEAFLET OF THE PRODUCT BUT DOES NOT REPLACE THEM.
THE USERS OF THIS PRODUCT SHOULD MAKE THEIR OWN ASSESSMENT OF ITS SUITABILITY FOR THE INTENDED PURPOSES PRIOR TO USE.
NO LIABILITY WILL BE ACCEPTED FOR ANY INJURY, LOSS OR DAMAGE RESULTING FROM ANY FAILURE TO TAKE ACCOUNT OF INFORMATION OR ADVICE CONTAINED IN THIS SAFETY DATA SHEET OR OTHER AVAILABLE TECHNICAL USAGE LITERATURE.