

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

1.1. Product identifier

Product form	: Mixture
Trade name	: Fornet 6 OD
Product code	: SL-950 6 OD (IBE 4119). C01826
Type of product	: OD : oil dispersion
Other means of identification	: Nicosulfuron 60g/l

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

Relevant identified uses

Main use category	: Professional use
Use of the substance/mixture	: Herbicide
Function or use category	: Plant protection products

1.3. Details of the supplier of the safety data sheet

Certis Belchim B.V.,
Suite 5, 3 Riverside, Granta Park,
Great Abington Cambridgeshire, CB21 6AD.
United Kingdom
T +44 (0)1223 652500, F +44 (0)1223 891210
info.uk@certisbelchim.com, www.certisbelchim.co.uk

1.4. Emergency telephone number

Emergency number	: +44 1235 239670 24 hours a day, 7 days a week
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 2	H315
Skin sensitisation, category 1B	H317
Hazardous to the aquatic environment – Acute Hazard, Category 1	H400
Hazardous to the aquatic environment – Chronic Hazard, Category 1	H410
Full text of H- and EUH-statements: see section 16	

Adverse physicochemical, human health and environmental effects

Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. Very toxic to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

: Warning

Hazard statements (CLP)

: H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H410 - Very toxic to aquatic life with long lasting effects.

Fornet 6 OD

Safety Data Sheet

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

Precautionary statements (CLP)	: P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P280 - Wear protective gloves, protective clothing, eye protection, face protection. P302+P352 - IF ON SKIN: Wash with plenty of soap and water. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P391 - Collect spillage. P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.
EUH-statements	: EUH210 - Safety data sheet available on request. EUH401 - To avoid risks to human health and the environment, comply with the instructions for use.

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 and/or vPvB substances $\geq 0.1\%$ 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 %

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-ethylhexan-1-ol substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit	CAS-No.: 104-76-7 EC-No.: 203-234-3	10 - 20	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
Nicosulfuron (Pesticide and active ingredients)	CAS-No.: 111991-09-4	5 - 10	Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) EUH401
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-	CAS-No.: 24938-91-8 EC-No.: 607-463-3	1 - 5	Eye Dam. 1, H318
Quaternary ammonium compounds, di-C16-18-alkyldimethyl, chlorides	CAS-No.: 92129-33-4 EC-No.: 295-835-2	0.1 - 0.5	Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 (M=10)

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	: Remove person to fresh air and keep comfortable for breathing. Move the affected person to the fresh air. Respiratory problems: consult a doctor/medical service.
First-aid measures after skin contact	: Wash skin with mild soap and water. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Do not apply (chemical) neutralizing agents. Consult an eye specialist. Rinse eyes with water as a precaution.

Fornet 6 OD

Safety Data Sheet

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

First-aid measures after ingestion	: Do not induce vomiting. Rinse mouth out with water. Do not give an unconscious person anything to drink. Consult a doctor/medical service if you feel unwell. Call a poison center or a doctor if you feel unwell.
Self protection of the first-aider	: First aid workers will be equipped with suitable personal protective equipment.

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

Symptoms/effects after inhalation	: None under normal conditions.
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: None under normal conditions.
Symptoms/effects after ingestion	: None under normal conditions.

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	: Polyvalent foam. BC-powder. Alcohol-resistant foam. Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Strong water jet.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: No fire hazard.
Explosion hazard	: No direct explosion hazard.
Hazardous decomposition products in case of fire	: Toxic and corrosive vapours may be released. Sulphur oxides. Nitrous fumes. Carbon monoxide. Carbon dioxide.

5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Dilute toxic gases with water spray. Contain the extinguishing fluids by bunding (the product is hazardous for the environment). Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	: Gloves. Protective non-flammable clothing. Heat/fire exposure: compressed air/oxygen apparatus. Gas-tight suit. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information	: Do not dispose of fire-fighting water in the environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Keep away from naked flames/heat. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.
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For non-emergency personnel

Protective equipment	: Concerning personal protective equipment to use, see section 8.
Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. Protective gloves. Protective clothing. Concerning personal protective equipment to use, see section 8. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment. Contain the spilled material by bunding (product is hazardous for the environment). Prevent entry to sewers and public waters.

Fornet 6 OD

Safety Data Sheet

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

6.3. Methods and material for containment and cleaning up

- For containment : Prevent dispersion by covering with dry sand/earth. Shovel into suitable and closed container for disposal. Carefully collect remainder. Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.
- Methods for cleaning up : Take up liquid spill into absorbent material. Clean contaminated surfaces with an excess of water.
- Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.
- Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not discharge the waste into the drain. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Keep in a cool, well-ventilated place away from heat.
- Storage conditions : Keep the container hermetically sealed. Store in a dry, cool area. Protect from heat and direct sunlight.
- Storage temperature : < 40 °C
- Heat and ignition sources : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Packaging materials : Keep only in original container. Always store product in container of same material as original container.

7.3. Specific end use(s)

For further information see section 1. Herbicide. Restricted to professional users.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

2-ethylhexan-1-ol (104-76-7)	
United Kingdom - Occupational Exposure Limits	
Local name	2-ethylhexan-1-ol
WEL TWA (OEL TWA)	5.4 mg/m ³
	1 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

Fornet 6 OD

Safety Data Sheet

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

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Provide local exhaust or general room ventilation. Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Personal protective equipment symbol(s):



Eye and face protection

Eye protection:

Safety glasses. Safety glasses

Skin protection

Skin and body protection:

Chemical resistant safety shoes. complete protective suit against chemicals. Material. Polyvinylchloride (PVC). Plastic materials. Natural rubber

Hand protection:

Protective gloves. PVC or other plastic material or natural rubber 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 ISO 374-1

Respiratory protection

Respiratory protection:

If the ventilation is suitable, it is not essential to wear respiratory equipment

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	: Liquid
Colour	: Beige. opaque.
Odour	: characteristic.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not flammable
Explosive properties	: Not explosive.
Oxidising properties	: Non oxidizing.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: > 93 °C
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: 4.66 (1%)
Viscosity, kinematic	: 41.71 – 94.891 mm ² /s
Viscosity, dynamic	: 40 – 91 mPa·s (20°C); 25 - 105 mPa.s (40°C)
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available

Fornet 6 OD

Safety Data Sheet

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

Density	: 959 kg/m ³ (20°C)
Relative density	: 0.9593 (20°C)
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

Other safety characteristics

Additional information : Surface tension 22.6 mN/m (25°C). Surface tension 20.1 mN/m (0.75 % v/v - 20 °C)

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

Do not expose to heat.

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)

Fornet 6 OD	
LD50 oral	> 2000 mg/kg bodyweight (OECD 423)
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402)
LC50 Inhalation - Rat	> 5 mg/l (OECD 403)
Nicosulfuron (111991-09-4)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	> 5.47 mg/l/4h
Quaternary ammonium compounds, di-C16-18-alkyldimethyl, chlorides (92129-33-4)	
LD50 oral rat	≥ 5000 mg/kg bodyweight (OECD 401)
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402)
LC50 Inhalation - Rat	≥ 180 mg/l

Fornet 6 OD

Safety Data Sheet

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

2-ethylhexan-1-ol (104-76-7)	
LD50 oral rat	2047 mg/kg bodyweight (OECD 401)
LD50 dermal rat	> 3000 mg/kg bodyweight (OECD 402)
LC50 Inhalation - Rat	0.89 – 5.3 mg/l (OECD 403)

Skin corrosion/irritation	: Causes skin irritation. pH: 4.66 (1%)
Additional information	: Irritating to rabbits on cutaneous application (OECD 404 method)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 4.66 (1%)
Additional information	: Not irritating to rabbits on ocular application (OECD 405 method)
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Additional information	: mouse Skin sensitisation (OECD 429 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)

Nicosulfuron (111991-09-4)	
NOAEL (chronic, oral, animal/male, 2 years)	199 mg/kg bodyweight
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)

Nicosulfuron (111991-09-4)	
NOAEL (animal/male, F1)	3719 mg/kg bodyweight
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)

2-ethylhexan-1-ol (104-76-7)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

Fornet 6 OD	
Viscosity, kinematic	41.71 – 94.891 mm ² /s

11.2. Information on other hazards

Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties	: The substance/mixture has no endocrine disrupting properties.
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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Very toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Very toxic to aquatic life with long lasting effects.

Fornet 6 OD	
LC50 - Fish [1]	85.6 mg/l (Oncorhynchus mykiss [OECD 203])
EC50 - Crustacea [1]	30.6 mg/l (Daphnia magna [OECD 202])
ErC50 algae	39.1 mg/l (Pseudokirchneriella subcapitata [OECD 201])

Fornet 6 OD

Safety Data Sheet

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

Fornet 6 OD	
ErC50 other aquatic plants	0.0402 mg/l (Lemna gibba [OECD 221])
Nicosulfuron (111991-09-4)	
LC50 - Fish [1]	65.7 mg/l (Oncorhynchus mykiss)
EC50 - Crustacea [1]	90 mg/l (Daphnia magna)
ErC50 other aquatic plants	0.0027 mg/l (Lemna gibba)
NOEC chronic fish	10 mg/l (Oncorhynchus mykiss)
NOEC chronic crustacea	5.2 mg/l (Daphnia magna)
Quaternary ammonium compounds, di-C16-18-alkyldimethyl, chlorides (92129-33-4)	
LC50 - Fish [1]	3.6 mg/l (Pimephales promelas [EPA 600/485/013])
EC50 - Crustacea [1]	0.16 mg/l (Daphnia magna [EPA 660/375/009])
EC50 72h - Algae [1]	0.48 mg/l
NOEC chronic fish	0.053 mg/l (Pimephales promelas [OECD 210])
NOEC chronic crustacea	0.38 mg/l (Daphnia magna [OECD 211])
NOEC chronic algae	0.062 mg/l (pseudokirchneriella subcapitata)
2-ethylhexan-1-ol (104-76-7)	
LC50 - Fish [1]	17.1 mg/l (Leuciscus idus)
EC50 - Crustacea [1]	39 mg/l (Daphnia magna)
ErC50 algae	16.6 mg/l (Desmodesmus subspicatus)
12.2. Persistence and degradability	
Fornet 6 OD	
Persistence and degradability	Contains non readily biodegradable component(s).
Quaternary ammonium compounds, di-C16-18-alkyldimethyl, chlorides (92129-33-4)	
Biodegradation	3 % (OECD 301D)
2-ethylhexan-1-ol (104-76-7)	
Persistence and degradability	Not rapidly degradable
12.3. Bioaccumulative potential	
Nicosulfuron (111991-09-4)	
Partition coefficient n-octanol/water (Log Kow)	0.61
Quaternary ammonium compounds, di-C16-18-alkyldimethyl, chlorides (92129-33-4)	
BCF - Fish [1]	13 – 94 l/kg (Lepomis macrochirus [OECD 305])
2-ethylhexan-1-ol (104-76-7)	
Partition coefficient n-octanol/water (Log Kow)	2.9 (25°C; OECD 117)

Fornet 6 OD

Safety Data Sheet

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

12.4. Mobility in soil

Nicosulfuron (111991-09-4)

Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.32
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Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy- (24938-91-8)

Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.2 – 2.4 (SRC PCKOCWIN v2.0)
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2-ethylhexan-1-ol (104-76-7)

Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.5475 – 2.1177
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12.5. Results of PBT and vPvB assessment

Fornet 6 OD

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

Adverse effects on the environment caused by endocrine disrupting properties : The substance/mixture has no endocrine disrupting properties.

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Do not dispose of with domestic waste. Dispose of in accordance with relevant local regulations. Disposal must be done according to official regulations.
Additional information	: Do not re-use empty containers.
Ecological waste information	: Do not contaminate ground and surface water.

SECTION 14: Transport information






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

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 3082	UN 3082	UN 3082	UN 3082	UN 3082
14.2. UN proper shipping name				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nicosulfuron (ISO) ; Quaternary ammonium compounds, di-C16-18-alkyldimethyl, chlorides)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nicosulfuron (ISO) ; Quaternary ammonium compounds, di-C16-18-alkyldimethyl, chlorides)	Environmentally hazardous substance, liquid, n.o.s. (Nicosulfuron (ISO) ; Quaternary ammonium compounds, di-C16-18-alkyldimethyl, chlorides)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nicosulfuron (ISO) ; Quaternary ammonium compounds, di-C16-18-alkyldimethyl, chlorides)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nicosulfuron (ISO) ; Quaternary ammonium compounds, di-C16-18-alkyldimethyl, chlorides)

Fornet 6 OD

Safety Data Sheet

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

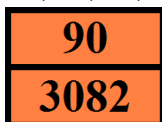
ADR	IMDG	IATA	ADN	RID
Transport document description				
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nicosulfuron (ISO) ; Quaternary ammonium compounds, di-C16-18-alkyldimethyl, chlorides), 9, III, (-)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nicosulfuron (ISO) ; Quaternary ammonium compounds, di-C16-18-alkyldimethyl, chlorides), 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Nicosulfuron (ISO) ; Quaternary ammonium compounds, di-C16-18-alkyldimethyl, chlorides), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nicosulfuron (ISO) ; Quaternary ammonium compounds, di-C16-18-alkyldimethyl, chlorides), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nicosulfuron (ISO) ; Quaternary ammonium compounds, di-C16-18-alkyldimethyl, chlorides), 9, III
14.3. Transport hazard class(es)				
9	9	9	9	9
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available				

14.6. Special precautions for user

Overland transport

Special provisions (ADR) : 274, 335, 375, 601

Orange plates :



EAC code : •3Z

Transport by sea

No data available

Air transport

No data available

Inland waterway transport

Classification code (ADN) : M6

Number of blue cones/lights (ADN) : 0

Rail transport

No data available

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

Fornet 6 OD

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment 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 (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

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 (EU 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 (EC 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

Not subject

Not applicable for preparations

The active ingredient used in Plant protection products is already compliant as the active substances are exempted according to Article 15 of REACH and approved as registered according to Regulation 1107/2009.

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes		
Section	Changed item	Comments
	Supersedes	Modified
	Revision date	Modified
2.1	Adverse physicochemical, human health and environmental effects	Modified
4.1	First-aid measures for first aider	Added
4.1	First-aid measures after inhalation	Modified
4.1	First-aid measures after ingestion	Modified
4.1	First-aid measures after eye contact	Modified
4.1	First-aid measures after skin contact	Modified
4.2	Symptoms/effects after inhalation	Added

Fornet 6 OD

Safety Data Sheet

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

Indication of changes		
Section	Changed item	Comments
4.2	Symptoms/effects after ingestion	Added
4.2	Symptoms/effects after eye contact	Added
5.1	Suitable extinguishing media	Modified
5.2	Fire hazard	Added
5.2	Explosion hazard	Added
5.3	Firefighting instructions	Modified
5.3	Protection during firefighting	Modified
6.1	Emergency procedures	Added
6.1	Emergency procedures	Added
6.1	Protective equipment	Modified
6.1	General measures	Modified
6.2	Environmental precautions	Modified
6.3	Other information	Added
6.3	Methods for cleaning up	Modified
6.3	For containment	Modified
6.4	Reference to other sections (8, 13)	Modified
7.1	Additional hazards when processed	Added
7.1	Precautions for safe handling	Modified
7.1	Hygiene measures	Modified
7.2	Technical measures	Added
7.2	Packaging materials	Modified
8.2	Personal protective equipment	Added
8.2	Eye protection	Modified
8.2	Appropriate engineering controls	Modified
9	pH	Added
9	Auto-ignition temperature	Removed
9	Flammability (solid, gas)	Modified
9	Relative density	Modified
9	Density	Modified
9	Odour	Modified
11.1	LD50 oral	Modified
11.1	LD50 dermal rat	Modified
11.1	LC50 Inhalation - Rat	Modified
12.1	Ecology - general	Added
12.1	ErC50 (other aquatic plants)	Modified
12.1	LC50 fish 1	Modified
12.1	ErC50 (algae)	Modified

Fornet 6 OD

Safety Data Sheet

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

Indication of changes		
Section	Changed item	Comments
12.1	EC50 Daphnia 1	Modified
12.2	Persistence and degradability	Added
13.1	Waste treatment methods	Added
13.1	Sewage disposal recommendations	Added
13.1	Additional information	Added
13.1	Product/Packaging disposal recommendations	Modified
15.2	Chemical safety assessment	Modified
16	Abbreviations and acronyms	Modified

Abbreviations and acronyms:	
ACGIH	American Conference of Governmental Industrial Hygienists
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
CAS-No.	Chemical Abstracts Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
COD	Chemical oxygen demand (COD)
CSA	Chemical safety assessment
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
ED	Endocrine disruptor
EN	European Standard
EWC	European waste catalogue
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
Log Kow	Partition coefficient n-octanol/water (Log Kow)
Log Pow	Partition coefficient n-octanol/water (Log Pow)
MAK	maximum workplace concentration

Fornet 6 OD

Safety Data Sheet

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

Abbreviations and acronyms:	
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
N.O.S.	Not Otherwise Specified
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
OSHA	Occupational Safety Health Administration
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
PPE	Personal protection equipment
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
TF	Technical function
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
TWA	Time Weighted Average
VOC	Volatile Organic Compounds
vPvB	Very Persistent and Very Bioaccumulative
UFI	Unique Formula Identifier

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

Other information : The United Kingdom (UK) left the European Union (EU) on 31/01/2020. The classification and labelling regime used within Great Britain (GB) is based on the EU regulatory regime in force at the time of UK leaving the EU. All classification and labelling ensures the safe use of the product and is based on the best scientific knowledge available to us. Information will be updated as the UK regulators publish any new classification and labelling regulation.

Full text of H- and EUH-statements:	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.

Fornet 6 OD

Safety Data Sheet

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

Full text of H- and EUH-statements:

H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH210	Safety data sheet available on request.
EUH401	To avoid risks to human health and the environment, comply with the instructions for use.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Skin Irrit. 2	H315	Calculation method
Skin Sens. 1B	H317	On basis of test data
Aquatic Acute 1	H400	Calculation method
Aquatic Chronic 1	H410	Expert judgement

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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.