



Floramite 240 SC

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.
SDS Reference Number: REG-GB-299
Issue date: 21/03/2016 Revision date: 30/09/2025 Supersedes: 21/03/2016 Version: 5.0

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

1.1. Product identifier

Product form : Mixture
Name : BIFENAZATE(240)SC
Trade name : Floramite 240 SC

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
Industrial/Professional use spec : Plant protection products
Use of the substance/mixture : Acaricide

1.2.2. Uses advised against

Restrictions on use : No known evidence against using

1.3. Details of the supplier of the safety data sheet

UPL Europe Ltd
Engine Rooms (1st Floor) Birchwood Park
Warrington – WA3 6YN
United Kingdom
T +44 1925 819999 - F +44 (0) 1925 817425
EUR-SDS.info@upl-ltd.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)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to GB CLP (SI 2019:720 as amended)

Skin sensitisation, Category 1 H317
Specific target organ toxicity – Repeated exposure, Category 2 H373
Hazardous to the aquatic environment – Chronic Hazard, Category 2 H411
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to GB CLP (SI 2019:720 as amended)

Hazard pictograms (GHS UK) :



Signal word (GHS UK) : Warning
Contains : bifenazate (ISO); isopropyl 2-(4-methoxybiphenyl-3-yl)hydrazinecarboxylate; 1,2-benzisothiazol-3(2H)-one
Hazard statements (GHS UK) : H317 - May cause an allergic skin reaction.
H373 - May cause damage to organs through prolonged or repeated exposure.

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Precautionary statements (GHS UK)	H411 - Toxic to aquatic life with long lasting effects. P260 - Do not breathe dust, fume, gas, mist, vapours or spray. P273 - Avoid release to the environment. P280 - Wear protective gloves. P314 - Get medical advice or attention. if you feel unwell. P333+P313 - If skin irritation or rash occurs: Get medical advice or attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P391 - Collect spillage.
EUH-statements (GHS UK)	EUH401 - To avoid risks to human health and the environment, comply with the instructions for use.

2.3. Other hazards

Other hazards which do not result in classification : None known.

Results of PBT and vPvB assessment

Component	
Substance(s) not meeting the PBT criteria of UK REACH regulation, in accordance with Annex XIII	Bifenazate (149877-41-8), 1,2-benzisothiazol-3(2H)-one (2634-33-5)
Substance(s) not meeting the vPvB criteria of UK REACH regulation, in accordance with Annex XIII	Bifenazate (149877-41-8), 1,2-benzisothiazol-3(2H)-one (2634-33-5)

Results of Endocrine Disruptor assessment

Component	
Substance(s) not considered as endocrine disrupting. They are not included in the list established in accordance with Article 59(1) of UK REACH for having endocrine disrupting properties, nor identified as having endocrine disrupting properties in accordance with the criteria set out in GB BPR and GB PPP	Bifenazate(149877-41-8), 1,2-benzisothiazol-3(2H)-one(2634-33-5)

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to GB CLP (SI 2019:720 as amended)
bifenazate (ISO); isopropyl 2-(4- methoxybiphenyl-3-yl)hydrazinecarboxylate	CAS-No.: 149877-41-8 EC-No.: 442-820-5 UK Index-No.: 607-715-00-2	20 – < 25	STOT RE 2, H373 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)
1,2-benzisothiazol-3(2H)-one	CAS-No.: 2634-33-5 EC-No.: 220-120-9 UK Index-No.: 613-088-00-6	< 0.1	Acute Tox. 2 (Inhalation:dust,mist), H330 (ATE=0.21 mg/l/4h) Acute Tox. 4 (Oral), H302 (ATE=450 mg/kg bodyweight) Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)

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Specific concentration limits:		
Name	Product identifier	Specific concentration limits (%)
1,2-benzisothiazol-3(2H)-one	CAS-No.: 2634-33-5 EC-No.: 220-120-9 UK Index-No.: 613-088-00-6	(0.036 ≤ C ≤ 100) Skin Sens. 1A; H317

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	: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move victim out of danger zone. Do not leave affected person unattended.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Obtain medical attention.
First-aid measures after skin contact	: Remove all contaminated clothing and footwear. Gently wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist if irritation persists.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting without medical advice. Get medical advice/attention.

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

Symptoms/effects	: May cause damage to organs through prolonged or repeated exposure.
Symptoms/effects after skin contact	: May cause an allergic skin reaction.

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. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: Toxic fumes may be released.
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5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Fight fire with normal precautions from a reasonable distance.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information	: Contain the extinguishing fluids by bunding (the product is hazardous for the environment). 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	: Ventilate spillage area. Remove all sources of ignition.
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6.1.1. For non-emergency personnel

Protective equipment	: For further information refer to section 8: "Exposure controls/personal protection".
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Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene. Mark out the contaminated area with signs and prevent access to unauthorized personnel. Do not get in eyes, on skin, or on clothing. Do not breathe vapours, spray, mist.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Evacuate unnecessary personnel.

6.2. Environmental precautions

Do not allow product to spread into the environment. Notify authorities if product enters sewers or public waters. If spillage occurs on the public highway, indicate the danger and notify the authorities (police, fire brigade).

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage. For small quantities : Take up liquid spill into absorbent material, e.g.: sand, earth, vermiculite. In case of large spillages: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Small spills: Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Recover large spills by pumping (use an explosion proof or hand pump).

Other information : Keep in suitable, closed containers for disposal. Keep contaminated washing water and dispose of appropriately. Do not discharge into drains or rivers. Dispose of contents/container in accordance with licensed collector's sorting instructions.

6.4. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Do not breathe vapours, spray, mist. Do not get in eyes, on skin, or on clothing. Do not allow to enter into surface water or drains. Avoid ignition sources.

Hygiene measures : Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Always wash hands after handling the product. Separate working clothes from town clothes. Take off contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Containers which are opened should be properly resealed and kept upright to prevent leakage. Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems.

Storage conditions : Store in dry, cool, well-ventilated area. Keep only in original container. Keep container closed when not in use. Keep away from sources of ignition. Protect from heat and direct sunlight. Keep out of reach of children. Keep away from food, drink and animal feeding stuffs.

Incompatible materials : Strong oxidizing agents.

7.3. Specific end use(s)

refer to label.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

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:

Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

8.2.2. Personal protection equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses. (EN ISO 16321-1:2022)

8.2.2.2. 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 374-1:2016/Type A)

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	> 0.4	3 (> 0.65)	EN ISO 374-1/A1

8.2.2.3. Respiratory protection

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection. Half-face mask (EN 405)

Respiratory protection			
Device	Filter type	Condition	Standard
Half-face mask	ABEK	Vapour protection	EN 140, EN 149

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8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Do not discharge into drains or the environment. Notify authorities if product enters sewers or public waters.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Off-white.
Odour	: slight, sweet odour.
Odour threshold	: Not available
pH	: 6.9 (1 % Solution)
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: > 100 °C
Flash point	: does not flash (Test method EU A.9)
Flammability	: Not flammable
Lower explosion limit	: Not explosive
Upper explosion limit	: Not explosive
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Relative vapour density at 20°C	: Not available
Relative density	: 1.063 (20 °C)
Density	: Not available
Solubility	: miscible with most organic solvents. Water: Dispersible
Partition coefficient n-octanol/water (Log Pow)	: Not applicable
Partition coefficient n-octanol/water (Log Kow)	: Not available
Auto-ignition temperature	: > 400 °C (Test method EU A.15)
Decomposition temperature	: Not available
Viscosity, kinematic	: Not available
Viscosity, dynamic	: 112 – 637 mPa·s (20 °C, CIPAC MT 192)
Explosive properties	: Not explosive
Oxidising properties	: Non oxidizing.

9.2. Other information

Particle characteristics : Not applicable

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

Stable under normal conditions. See Section 7.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

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10.5. Incompatible materials

See Section 7.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. On exposure to high temperature, may decompose, releasing corrosive gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

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LD50 oral rat	> 5000 mg/kg (male)
LD50 oral	> 2000 mg/kg (rat, female)
LD50 dermal rabbit	> 5000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	> 1.94 mg/l/4h (OECD 403 method) (maximum attainable concentration - zero mortality)

Bifenazate (149877-41-8)	
LD50 oral rat	> 5000 mg/kg (OECD 401 method)
LD50 oral	> 5000 mg/kg (mouse) (OECD 401 method)
LD50 dermal rat	> 5000 mg/kg (OECD 402 method)
LC50 Inhalation - Rat (Dust/Mist)	> 4.4 mg/l/4h (OECD 403 method) (maximum attainable concentration - zero mortality)

1,2-benzisothiazol-3(2H)-one (2634-33-5)	
LD50 oral rat	300 – 2000 mg/kg bodyweight RAC Endpoint
LD50 dermal rat	> 2000 mg/kg bodyweight OECD Guideline 402; RAC Endpoint
LC50 Inhalation - Rat (Dust/Mist)	0.05 – 0.5 mg/l/4h RAC Endpoint

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)
pH: 6.9 (1 % Solution)

Additional information : Product :
Not irritating to rabbits on cutaneous application
Bifenazate :
Not 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: 6.9 (1 % Solution)

Additional information : Product :
Not irritating to rabbits on ocular application
Bifenazate :
Not irritating to rabbits on ocular application
(OECD 405 method)

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Additional information : Product :
May cause an allergic skin reaction.
(Guinea pig)
Bifenazate :
Maximisation Test (GPMT)
May cause an allergic skin reaction.
(Guinea pig)
(OECD 406 method)

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

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Bifenazate In vitro tests did not show mutagenic effects

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

Bifenazate (149877-41-8)

Carcinogenicity Did not show carcinogenic effects in animal experiments

NOAEL, male, oral, rat 1 mg/kg bw/day (2 years, (OECD 453 method))

NOAEL, male, oral, mouse 1.5 mg/kg bw/day (78 weeks, (OECD 451 method))

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

Bifenazate (149877-41-8)

Reproductive toxicity No evidence for reproductive toxicity in experimental animals.

Two generation reproduction toxicity test :

NOAEL, oral, rat > 15 mg/kg bw/day ((OECD 416 method))

Developmental toxicity/teratogenicity :

NOAEL, Maternal toxicity, oral, rat 10 mg/kg bw/day (10 days, (OECD 414 method))

NOAEL, Maternal toxicity, oral, rabbit > 200 mg/kg bw/day (18 days, (OECD 414 method))

1,2-benzisothiazol-3(2H)-one (2634-33-5)

NOAEL (animal/female, F1) 56.6 mg/kg bodyweight female (ratReproductionFertility; EPA OPPTS 870.3800

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

STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

Bifenazate (149877-41-8)

STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure.

NOAEL, male, female, oral, Dog 1 mg/Kg (90 and 365 days, (OECD 409 method), Target organ(s): liver, blood, kidneys)

NOAEL, male, female, Dermal, rat 80 mg/kg bw/day (21 days, (OECD 410 method), Target organ(s): spleen, blood)

NOAEL, male, female, oral, rat 2.7 mg/kg bw/day (90 days, (OECD 408 method), Target organ(s): liver, kidneys, spleen, adrenal glands)

NOAEL, male, oral, mouse 8 mg/kg bw/day (90 days, (OECD 408 method), Target organ(s): spleen)

LOAEL, male, female, Inhalation, rat 0.03 mg/l (4 weeks, Target organ(s): nasal cavity, spleen)

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

Bifenazate (149877-41-8)

Viscosity, kinematic Not applicable

Other information

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

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 (chronic) : Toxic to aquatic life with long lasting effects.

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LC50 - Fish	1.4 mg/l/96h ((OECD 203 method), Oncorhynchus mykiss (Rainbow trout)) (Bifenazate 480 g/L - SC)
EC50 - Crustacea	1.4 mg/l/48h ((OECD 202 method), Daphnia magna) (Bifenazate 480 g/L - SC)
ErC50 algae	4.92 mg/l/72h (Pseudokirchneriella subcapitata) (Bifenazate 480 g/L - SC)
Bifenazate (149877-41-8)	
LC50 - Fish	0.76 mg/l/96h (US EPA E72-3; ASTM E729-88a, Oncorhynchus mykiss (Rainbow trout))
LC50 fish	0.58 mg/l/96h (US EPA E72-3; ASTM E729-88a, Lepomis macrochirus (Bluegill))
EC50 - Crustacea	0.5 mg/l/48h (US EPA E 71-2; ASTM E729-88a, Daphnia magna)
ErC50 algae	1.7 mg/l/96h ((OECD 201 method), Pseudokirchneriella subcapitata)
NOEC chronic fish	0.017 mg/l 87 days (EPA E, 72-4, Oncorhynchus mykiss (Rainbow trout))
NOEC chronic crustacea	0.15 mg/l 21 days (EPA E 72; ASTM E 1193-87, Daphnia magna)
EC50, aquatic invertebrates	0.417 mg/l/96h (US EPA E 72-2; ASTM E729-88a, Crassostrea virginica)
EC50, aquatic invertebrates	0.23 mg/l/96h (US EPA E 72, Mysidopsis bahia)
1,2-benzisothiazol-3(2H)-one (2634-33-5)	
LC50 - Fish	2.18 mg/l/96h ((OECD 203 method), Oncorhynchus mykiss)
LC50 fish	2.15 mg/l Oncorhynchus mykiss (Rainbow trout)
EC50 - Crustacea	2.94 mg/l/48h ((OECD 202 method), Daphnia magna)
EC50 Daphnia	2.9 mg/l Daphnia magna
ErC50 algae	0.11 mg/l/72h ((OECD 201 method), Selenastrum capricornutum)
NOEC chronic crustacea	1.7 mg/l/ 21 days (OECD 211; Daphnia)
NOEC chronic algae	0.0403 mg/l
12.2. Persistence and degradability	
Floramite 240 SC	
Persistence and degradability	Not rapidly degradable
Bifenazate (149877-41-8)	
Persistence and degradability	Not readily biodegradable, (OECD 301B method).
1,2-benzisothiazol-3(2H)-one (2634-33-5)	
Persistence and degradability	Not rapidly degradable
12.3. Bioaccumulative potential	
Floramite 240 SC	
Partition coefficient n-octanol/water (Log Pow)	Not applicable
Bifenazate (149877-41-8)	
Partition coefficient n-octanol/water (Log Pow)	3 (Ambient temperature;pH 7.9; 100%)
1,2-benzisothiazol-3(2H)-one (2634-33-5)	
Partition coefficient n-octanol/water (Log Pow)	0.7 (20 °C)

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12.4. Mobility in soil

Floramite 240 SC	
Surface tension	42.1 mN/m (25 °C, Test method EU A.5)
Bifenazate (149877-41-8)	
Surface tension	61.6 mN/m (20 °C, Test method EU A.5; 99.9%)

12.5. Results of PBT and vPvB assessment

Component	
Bifenazate (149877-41-8)	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII
1,2-benzisothiazol-3(2H)-one (2634-33-5)	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII

12.6. Other adverse effects

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

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 of contents/container in accordance with licensed collector's sorting instructions. Discharging into rivers and drains is forbidden.
Product/Packaging disposal recommendations	: Empty remaining contents. Empty containers should be taken for recycling, recovery or waste in accordance with local regulation. When not empty dispose of this container at hazardous or special waste collection point.
Additional information	: 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.
European List of Waste (LoW, EC 2000/532)	: 02 01 08* - agrochemical waste containing dangerous substances

SECTION 14: Transport information




In accordance with ADR / IMDG / IATA

ADR	IMDG	IATA
14.1. UN number		
UN 3082	UN 3082	UN 3082
14.2. UN proper shipping name		
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bifenazate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bifenazate)	Environmentally hazardous substance, liquid, n.o.s. (Bifenazate)
Transport document description		
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bifenazate), 9, III, (-)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bifenazate), 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Bifenazate), 9, III
14.3. Transport hazard class(es)		
9	9	9

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ADR	IMDG	IATA
		
14.4. Packing group		
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
No supplementary information available		

14.6. Special precautions for user

Overland transport

Classification code (ADR)	: M6
Special provisions (ADR)	: 274, 335, 375, 601
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Special packing provisions (ADR)	: PP1
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions (ADR)	: TP1, TP29
Tank code (ADR)	: LGBV
Vehicle for tank carriage	: AT
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV13
Hazard identification number (Kemler No.)	: 90
Orange plates	: 

Tunnel restriction code : -

Transport by sea

Special provisions (IMDG)	: 274, 335, 969
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: LP01, P001
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1, TP29
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-F
Stowage category (IMDG)	: A

Air transport

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y964
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 964
PCA max net quantity (IATA)	: 450L
CAO packing instructions (IATA)	: 964

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CAO max net quantity (IATA) : 450L
Special provisions (IATA) : A97, A158, A197, A215
ERG code (IATA) : 9L

Inland waterway transport

Classification code (ADN) : M6
Special provisions (ADN) : 274, 335, 375, 601
Limited quantities (ADN) : 5 L
Excepted quantities (ADN) : E1
Carriage permitted (ADN) : T
Equipment required (ADN) : PP
Number of blue cones/lights (ADN) : 0

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. National regulations

UK REACH Annex XVII (Restriction List)

This product contains no substance(s) listed on UK REACH Annex XVII (Restriction List) equal to or above the level of SDS disclosure

UK REACH Annex XIV (Authorisation List)

This product contains no substance(s) listed on UK REACH Annex XIV (Authorisation List) equal to or above the 0.1% level of disclosure

UK REACH Candidate List (SVHC)

This product contains no substance(s) listed on the UK REACH Candidate List (SVHC) above the 0.1% level of disclosure

Seveso Directive (Disaster Risk Reduction)

Seveso Additional information : E2 Hazardous to the Aquatic Environment in Category Chronic 2

GB PIC Regulation (Prior Informed Consent)

This product contains no substance(s) listed on the GB PIC List equal to or above the level of SDS disclosure

POP Regulation (Persistent Organic Pollutants)

This product contains no substance(s) listed on the GB POP List equal to or above the level of SDS disclosure

Ozone Regulation (S.I. No. 168 of 2015)

This product contains no substance(s) listed on the GB Ozone Depletion List equal to or above the level of SDS disclosure

Control of Poisons and Explosives Precursors Act

This product contains substance(s) listed on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure: Sodium hydroxide - 1310-73-2 (12 % of total caustic alkalinity)

This product contains no substance(s) listed as a regulated poison on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

This product contains no substance(s) listed as a reportable explosive precursor on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

This substance is not listed as a regulated poison on the Control of Poisons and Explosives Precursors Regulations

Drug Precursors Regulation (EC 273/2004)

This product contains no substance(s) listed on the GB Drug Precursors List equal to or above the level of SDS disclosure

15.1.2. Other Information

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

SECTION 16: Other information

Abbreviations and acronyms:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG	International Maritime Dangerous Goods
IATA	International Air Transport Association
LD50	Median lethal dose
LC50	Median lethal concentration
EC50	Median effective concentration
NOEC	No-Observed Effect Concentration
NOAEL	No-Observed Adverse Effect Level
LOAEL	Lowest Observed Adverse Effect Level
PBT	Persistent Bioaccumulative Toxic
vPvB	Very Persistent and Very Bioaccumulative
OECD	Organisation for Economic Co-operation and Development

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

Full text of H- and EUH-statements:

Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 4 (Oral)	Acute toxicity (oral), 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
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1A	Skin sensitisation, category 1A
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure.
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.
EUH401	To avoid risks to human health and the environment, comply with the instructions for use.

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According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

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

Skin Sens. 1	H317	Calculation method
STOT RE 2	H373	Calculation method
Aquatic Chronic 2	H411	Calculation method

Safety Data Sheet (SDS), UK

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.