

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

1.1. Product identifier

Trade name	: PLAZMA
Product form	: Mixture
Type (Nufarm)	: Country Specific
Country (Nufarm)	: United Kingdom
CA Code (Nufarm)	: 2702
Product code	: CA2702
Oracle Recipe Code (Nufarm)	: 600000594
Item codes	: 110004476;110004728;110004729

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

1.2.1. Relevant identified uses

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

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

Nufarm UK Limited
Wyke Lane, Bradford
Wyke
BD12 9EJ Bradford - UK
T +44 (0)1274 691234 - F +44 (0) 1274691176
infouk@uk.nufarm.com

1.4. Emergency telephone number

Emergency number	: +44 (0)1274 696603
------------------	----------------------

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazardous to the aquatic environment – Acute Hazard, Category 1	H400
Hazardous to the aquatic environment – Chronic Hazard, Category 1	H410
Full text of H-statements: see section 16	

Adverse physicochemical, human health and environmental effects

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)



GHS09

Signal word (CLP)

: Warning

Contains

: Azoxystrobin 250 g/L

Hazard statements (CLP)

: H410 - Very toxic to aquatic life with long lasting effects.

PLAZMA

Safety Data Sheet

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

Precautionary statements (CLP)	: P273 - Avoid release to the environment. P391 - Collect spillage. P501 - Dispose of contents and 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	: EUH208 - Contains 1,2-Benzisothiazol-3(2H)-one. May produce an allergic reaction. 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

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

Component

1,2-Propanediol (57-55-6)	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
1,2-Benzisothiazol-3(2H)-one (2634-33-5)	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

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
AZOXYSTROBIN	(CAS-No.) 131860-33-8 (EC Index-No.) 607-256-00-X	22.94	Acute Tox. 3 (Inhalation), H331 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)
1,2-Propanediol	(CAS-No.) 57-55-6 (EC-No.) 200-338-0 (REACH-no) 01-2119456809-23	10 - 15	Not classified
ALCOHOLS, C16-18, ETHOXYLATED	(CAS-No.) 68439-49-6	5 - 10	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Alkyl naphthalenesulfonic acid, polymer with formaldehyde, sodium salt	(CAS-No.) 68425-94-5 (EC-No.) 614-476-8	1 - 5	Eye Irrit. 2, H319
1,2-Benzisothiazol-3(2H)-one	(CAS-No.) 2634-33-5 (EC-No.) 220-120-9 (EC Index-No.) 613-088-00-6	< 1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411

PLAZMA

Safety Data Sheet

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

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 (EC Index-No.) 613-088-00-6	(0.05 ≤C < 100) Skin Sens. 1, 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 after inhalation	: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.
First-aid measures after skin contact	: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell. Rinse mouth out with water. Do not induce vomiting.

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

Symptoms/effects after inhalation	: Inhalation may cause irritation (cough, short breathing, difficulty in breathing).
Symptoms/effects after skin contact	: May cause moderate irritation.
Symptoms/effects after eye contact	: May cause eye irritation.
Symptoms/effects after ingestion	: May cause irritation to the digestive tract. Ingestion may cause nausea and vomiting. Abdominal pain, nausea.

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 heavy water stream.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon monoxide. Carbon dioxide. Nitrogen oxides. Hydrogen cyanide.
--	--

5.3. Advice for firefighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
--------------------------------	--

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures	: Ventilate spillage area.
----------------------	----------------------------

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".
----------------------	---

PLAZMA

Safety Data Sheet

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

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment	: Collect spillage.
Methods for cleaning up	: Take up liquid spill into absorbent material.
Other information	: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures	: 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

Storage conditions	: Store in a well-ventilated place. Keep cool.
Information on mixed storage	: Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children.
Special rules on packaging	: Keep only in original container. Store in a closed container.

7.3. Specific end use(s)

Fungicide.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

1,2-Propanediol (57-55-6)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Notes	TWA = 10 mg/m ³ (US WEEL)
United Kingdom - Occupational Exposure Limits	
Local name	Propane-1,2-diol
WEL TWA (OEL TWA) [1]	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
WEL TWA (OEL TWA) [2]	150 ppm (total particulates and vapour)
WEL STEL (OEL STEL)	1422 mg/m ³ (calculated-total particulate and vapour) 30 mg/m ³ (calculated-particulate)
WEL STEL (OEL STEL) [ppm]	450 ppm (calculated-total particulate and vapour)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

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

PLAZMA

Safety Data Sheet

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

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Minimise exposure using measures such as contained and enclosed systems, properly designed and maintained dedicated facilities and suitable general/local exhaust ventilation.

8.2.2. Personal protection equipment

Personal protective equipment:

The recommendations in this section are for employees in manufacturing, formulations and conditioning. For farm users and handlers, please read the product label for suitable personnel protective equipment and apparatus.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Type	Field of application	Characteristics	Standard
Safety glasses, Safety goggles		With side shields	EN 166

8.2.2.2. Skin protection

Skin and body protection:

According to the conditions of use, protective gloves, apron, boots, head and face protection must be worn. EN 14605

Hand protection:

Wear suitable gloves resistant to chemical penetration

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Reusable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	0.4		EN ISO 374-1/A1 , EN 16523+A1 (type A)
Reusable gloves	Chloroprene rubber (CR)	6 (> 480 minutes)	0.5		EN ISO 374-1/A1 , EN 16523+A1 (type A)
Reusable gloves	Butyl rubber	6 (> 480 minutes)	0.7		EN ISO 374-1/A1 , EN 16523+A1 (type A)
Disposable gloves					EN ISO 374-1/A1 , EN ISO 374-2 (A,B, or C type)

Other skin protection

Materials for protective clothing:

Condition	Material	Standard
According to the conditions of use, protective gloves, apron, boots, head and face protection must be worn		EN 14605

PLAZMA

Safety Data Sheet

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

8.2.2.3. Respiratory protection

Respiratory protection:

Users are advised to consider national Occupational Exposure Limits or other equivalent values. Ensure exposure is below occupational exposure limits (where available).

Device	Filter type	Condition	Standard
respirator with combination filter for vapour/particles	ABEK	In case of inadequate ventilation wear respiratory protection.	EN 14387

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Other information:

Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke during use. Keep away from children. Remove contaminated clothing. Separate working clothes from town clothes. Wash contaminated clothing before reuse. Wash hands immediately after handling the product. The wearing of PPE will have to be adapted to working conditions and any discomfort felt during the operation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Off-white.
Odour	: characteristic.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not applicable
Explosive properties	: Product is not explosive.
Oxidising properties	: Non oxidizing material according to EC criteria.
Explosive limits	: Not available
Lower explosive limit (LEL)	: Not available
Upper explosive limit (UEL)	: Not available
Flash point	: > 100 °C
Auto-ignition temperature	: > 600 °C
Decomposition temperature	: Not available
pH	: 8.1
Viscosity, kinematic	: Not available
Viscosity, dynamic	: 421.8 mPa.s 20°C
Solubility	: Water: Emulsifiable in water Organic solvent:soluble in most organic solvents
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	: 1.1355
Relative vapour density at 20 °C	: Not available
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle aggregation state	: Not applicable
Particle agglomeration state	: Not applicable
Particle specific surface area	: Not applicable

PLAZMA

Safety Data Sheet

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

Particle dustiness : Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

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)

PLAZMA

LD50 oral rat	2500 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 Inhalation - Rat	> 2.4 mg/l/4h Maximum concentration; EPA FIFRA 81-3

AZOXYSTROBIN (131860-33-8)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 Inhalation - Rat	0.706 mg/l/4h
ATE CLP (dust,mist)	0.7 mg/l/4h

1,2-Propanediol (57-55-6)

LD50 oral rat	20 g/kg
---------------	---------

PLAZMA

Safety Data Sheet

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

LD50 dermal rabbit	20800 mg/kg
LC50 Inhalation - Rat	317 µL/m³ rabbit; 2h

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

LD50 oral rat	1020 mg/kg
---------------	------------

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 8.1
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 8.1
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
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)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)

AZOXYSTROBIN (131860-33-8)

NOAEL (animal/male, F0/P)	170 mg/kg rat
---------------------------	---------------

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

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

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

11.2.2 Other information

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.

PLAZMA

LC50 96h fish	1.39 mg/l Oncorhynchus mykiss (Rainbow trout)
EC50 48h crustacea	2.19 g/l
EC50 72h algae	0.681 mg/l Pseudokirchneriella subcapitata
NOEC (chronic)	0.171 mg/l
NOEC chronic fish	0.939 mg/l Oncorhynchus mykiss (Rainbow trout)
NOEC chronic algae	0.286 mg/l Pseudokirchneriella subcapitata
LD50, Eisenia fetida (Earthworm)	> 2000 mg/kg

PLAZMA

Safety Data Sheet

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

LD50, Oral, Apis mellifera (bee)	> 200 µg/bee (Data apply to the technically active substance)
LD50, Dermal, Apis mellifera (bee)	> 100 µg/bee (Data apply to the technically active substance)

Additional ecotoxicological information

1,2-Propanediol (57-55-6)

LC50 96h fish	40613 mg/l Oncorhynchus mykiss (Rainbow trout)
EC50 96h algae	19000 mg/l Pseudokirchneriella subcapitata
NOEC (chronic)	13020 mg/l Ceriodaphnia dubia; 7 d
NOEC, Bacille Pseudomonas putida	> 20000 mg/l (18 Hours, Test method: Toxicity to bacteria)

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

LC50 96h fish	1.9 mg/l Oncorhynchus mykiss (Rainbow trout)
EC50 48h crustacea	3.7 mg/l Daphnia magna (Water flea)
ErC50 algae	0.8 mg/l Pseudokirchneriella subcapitata (green algae); 72 h
ErC50 other aquatic plants	0.36 mg/l Skeletonema costatum (Diatom)
NOEC (chronic)	0.15 mg/l Skeletonema costatum (Diatom)
NOEC chronic algae	0.21 mg/l Pseudokirchneriella subcapitata (green algae)
EC50, Activated sludge	28.52 mg/l (3 Hours, Test method: Inhibition of breathing)

12.2. Persistence and degradability

PLAZMA

Persistence and degradability	Not readily biodegradable.
-------------------------------	----------------------------

1,2-Propanediol (57-55-6)

Persistence and degradability	Readily biodegradable. Biodegradation can occur under anaerobic conditions (in the absence of oxygen).
Biodegradation	81 % 28 d; OECD 301

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

Persistence and degradability	Not readily biodegradable.
Biodegradation	24 % 28 d; OECD 301 B

12.3. Bioaccumulative potential

PLAZMA

Bioaccumulative potential	No bioaccumulation.
---------------------------	---------------------

AZOXYSTROBIN (131860-33-8)

Partition coefficient n-octanol/water (Log Pow)	2.5 25°C
---	----------

1,2-Propanediol (57-55-6)

BCF - Fish [1]	< 1
Bioconcentration factor (BCF REACH)	0.09
Partition coefficient n-octanol/water (Log Pow)	-1.07

PLAZMA

Safety Data Sheet

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

Bioaccumulative potential	No bioaccumulation.
---------------------------	---------------------

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

Partition coefficient n-octanol/water (Log Pow)	0.64 (Estimation)
---	-------------------

12.4. Mobility in soil

PLAZMA

Mobility in soil	Adsorbs into the soil
Surface tension	42.5 mN/m 25°C

1,2-Propanediol (57-55-6)

Mobility in soil	Given its very low Henry's constant, volatilization from bodies of water or moist soil is not expected to be an important factor in the fate of the product. Very high potential for mobility in the soil (Koc between 0 and 50).
Partition coefficient n-octanol/water (Log Koc)	Koc < 1

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

Mobility in soil	Given its very low Henry's constant, volatilization from bodies of water or moist soil is not expected to be an important factor in the fate of the product. Very high potential for mobility in the soil (Koc between 0 and 50).
Partition coefficient n-octanol/water (Log Koc)	Koc = 104 (Estimation)

12.5. Results of PBT and vPvB assessment

PLAZMA

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

Component

1,2-Propanediol (57-55-6)	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
1,2-Benzisothiazol-3(2H)-one (2634-33-5)	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 mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

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.

PLAZMA

Safety Data Sheet

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

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
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. (AZOXYSTROBIN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (AZOXYSTROBIN)	Environmentally hazardous substance, liquid, n.o.s. (AZOXYSTROBIN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (AZOXYSTROBIN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (AZOXYSTROBIN)
Transport document description (ADR)				
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (AZOXYSTROBIN), 9, III, (-)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (AZOXYSTROBIN), 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (AZOXYSTROBIN), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (AZOXYSTROBIN), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (AZOXYSTROBIN), 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

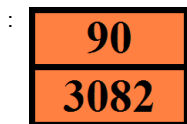
Classification code (ADR)	: M6
Special provisions (ADR)	: 274, 335, 375, 601
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Special packing provisions (ADR)	: PP1
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container 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

PLAZMA

Safety Data Sheet

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

Orange plates



Tunnel restriction code (ADR)

: -

EAC code

: •3Z

Transport by sea

Special provisions (IMDG)

: 274, 335, 969

Limited quantities (IMDG)

: 5 L

Excepted quantities (IMDG)

: E1

Packing instructions (IMDG)

: P001, LP01

Special packing provisions (IMDG)

: PP1

IBC packing instructions (IMDG)

: IBC03

Tank instructions (IMDG)

: T4

Tank special provisions (IMDG)

: TP2, 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

CAO max net quantity (IATA)

: 450L

Special provisions (IATA)

: A97, A158, A197

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

Rail transport

Classification code (RID)

: M6

Special provisions (RID)

: 274, 335, 375, 601

Excepted quantities (RID)

: E1

Packing instructions (RID)

: P001, IBC03, LP01, R001

Special packing provisions (RID)

: PP1

Mixed packing provisions (RID)

: MP19

Portable tank and bulk container instructions (RID)

: T4

Portable tank and bulk container special provisions (RID)

: TP1, TP29

Tank codes for RID tanks (RID)

: LGBV

Transport category (RID)

: 3

Special provisions for carriage – Packages (RID)

: W12

Special provisions for carriage - Loading, unloading and handling (RID)

: CW13, CW31

Colis express (express parcels) (RID)

: CE8

Hazard identification number (RID)

: 90

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

PLAZMA

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

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

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

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

Section	Changed item	Change	Comments
	Adverse health effects caused by endocrine disrupting properties	Added	
	Adverse effects on the environment caused by endocrine disrupting properties	Added	
	Supersedes	Added	
	Revision date	Modified	
8.2	Environmental exposure controls	Added	
8.2	Other information	Added	
8.2	Personal protective equipment	Modified	
8.2	Respiratory protection	Modified	
8.2	Hand protection	Modified	
8.2	Appropriate engineering controls	Modified	
8.2	Skin and body protection	Modified	
9.1	Colour	Modified	
11.1	Reason for no classification	Added	
11.1	Reason for no classification	Added	
11.1	Reason for no classification	Added	

Full text of H- and EUH-statements:

Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
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

PLAZMA

Safety Data Sheet

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

Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
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
Skin Sens. 1	Skin sensitisation, Category 1
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
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.
EUH208	Contains 1,2-Benzisothiazol-3(2H)-one. May produce an allergic reaction.
EUH401	To avoid risks to human health and the environment, comply with the instructions for use.

NUFARM SDS TEMPLATE

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.