

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

1.1. Product identifier

Product form : Mixture
Name : Triclopyr 103,6 g/L + 2,4-D 93 g/L EC
Trade name : GENOXONE ZX EC

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 : Herbicide

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

Arysta LifeScience Benelux
Rue de Renory 26/1
B-4102 Ougrée - Belgium
T +32 (0)4 385 97 11 - F +32 (0)4 385 97 49
sds.info@upl-ltd.com - <http://www.upl-ltd.com/be>

1.4. Emergency telephone number

Emergency number : Europe/Rest of the world (English): +44(0)1235 239670

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flammable liquids, Category 3 H226
Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 1 H318
Skin sensitisation, Category 1 H317
Aspiration hazard, Category 1 H304
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

Flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May be fatal if swallowed and enters airways. 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) :



CLP Signal word

: Danger

Hazard statements (CLP)

: H226 - Flammable liquid and vapour.
H304 - May be fatal if swallowed and enters airways.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H410 - Very toxic to aquatic life with long lasting effects.

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Precautionary statements (CLP)

: P102 - Keep out of reach of children.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 - Wear eye protection, face protection, protective clothing, protective gloves.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331 - Do NOT induce vomiting.
P301+P311 - If swallowed, call a poison center or a doctor.
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

: EUH401 - To avoid risks to human health and the environment, comply with the instructions for use.

Extra phrases

: Do not contaminate water with the product or its container.
Do not clean application equipment near surface water.
Avoid contamination via drains from farmyards and roads.

2.3. Other hazards

Other hazards not contributing to the classification

: This mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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]
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	(EC-No.) 926-141-6 (REACH-no) 01-2119456620-43; 01-219473977-17	> 50	Asp. Tox. 1, H304
2,4-D 2-EHE	(CAS-No.) 1928-43-4 (EC-No.) 217-673-3 (EC Index-No.) 607-308-00-X	16	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Triclopyr butoxy ethyl ester	(CAS-No.) 64700-56-7 (EC-No.) 265-024-8	16	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3-butoxypropan-2-ol; propylene glycol monobutyl ether	(CAS-No.) 5131-66-8 (EC-No.) 225-878-4 (EC Index-No.) 603-052-00-8 (REACH-no) 01-2119475527-28	< 10	Eye Irrit. 2, H319 Skin Irrit. 2, H315
butan-1-ol; n-butanol	(CAS-No.) 71-36-3 (EC-No.) 200-751-6 (EC Index-No.) 603-004-00-6 (REACH-no) 01-2119484630-38	< 2	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 STOT SE 3, H335 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H336
Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., calcium salts	(CAS-No.) 68953-96-8 (EC-No.) 273-234-6 (REACH-no) 01-2119964467-24	< 5	Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411
Benzenesulfonic acid, C10-13-alkyl derivs., calcium salt	(EC-No.) 932-231-6 (REACH-no) 01-2119560592-37	< 2	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general

: If medical advice is needed, have product container or label at hand. Call a physician immediately.

First-aid measures after inhalation

: Remove person to fresh air and keep comfortable for breathing. IF INHALED: if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen. If breathing stops, give artificial respiration. In all cases of doubt, or when symptoms persist, seek medical attention.

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First-aid measures after skin contact	: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. If skin irritation occurs: Get medical advice/attention. Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse immediately with plenty of water, also under the eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice and attention. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. Get immediate medical advice and attention. Do not induce vomiting. Call a physician immediately.

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

Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction. Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Risk of lung oedema.

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	: AFFF foam. dry chemical powder. Carbon dioxide (CO ₂). Water fog. Water spray. Dry powder. Foam. Carbon dioxide.
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5.2. Special hazards arising from the substance or mixture

Fire hazard	: Flammable. Flammable liquid and vapour.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting	: Wear suitable protective clothing. In case of inadequate ventilation wear respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
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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. Evacuate the danger area. Provide adequate ventilation to minimize dust and/or vapour concentrations. Consult an expert. Eliminate every possible source of ignition. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.
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6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. Wear self-contained breathing apparatus, rubber boots and thick rubber gloves. For further information refer to section 8: "Exposure controls/personal protection".
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6.2. Environmental precautions

Avoid release to the environment. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment	: Prevent liquid from entering sewers, watercourses, underground or low areas. Impound and recover large spill by mixing it with inert granular solids. Collect spillage.
Methods for cleaning up	: Take up liquid spill into absorbent material. Clean up any spills as soon as possible, using an absorbent material to collect it. Notify authorities if product enters sewers or public waters.
Other information	: Avoid spilling the product, as this might cause falls. Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

Exposure controls/personal protection. Disposal considerations. For further information refer to section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

: Ensure good ventilation of the work station. Handle in accordance with good industrial hygiene and safety procedures. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not allow to enter into surface water or drains. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

Handling temperature

: Store at room temperature

Hygiene measures

: Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. 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

: Ground well. Use explosion-proof equipment. Ground/bond container and receiving equipment.

Storage conditions

: Keep out of direct sunlight. Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Maximum storage period

: 2 year(s)

Storage temperature

: $\geq -5^{\circ}\text{C}$

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

2,4-D 2-EHE (1928-43-4)

Austria	MAK (mg/m ³)	1 mg/m ³ Aerosol
Austria	MAK Short time value (mg/m ³)	4 mg/m ³ Aerosol
Belgium	Limit value (mg/m ³)	10 mg/m ³
Denmark	Grænseværdie (langvarig) (mg/m ³)	1 mg/m ³
Denmark	Grænseværdie (kortvarig) (mg/m ³)	2 mg/m ³
France	VME (mg/m ³)	10 mg/m ³
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	1 mg/m ³ Aerosol
Germany	TRGS 900 Limitation of exposure peaks (mg/m ³)	8 mg/m ³ Aerosol
Hungary	AK-érték	1 mg/m ³
Hungary	CK-érték	4 mg/m ³
Spain	VLA-ED (mg/m ³)	10 mg/m ³
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³
United Kingdom	WEL STEL (mg/m ³)	20 mg/m ³
Switzerland	MAK (mg/m ³)	1 mg/m ³
Switzerland	KZGW (mg/m ³)	8 mg/m ³

3-butoxypropan-2-ol; propylene glycol monobutyl ether (5131-66-8)

EU	IOELV TWA (ppm)	10 ppm
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butan-1-ol; n-butanol (71-36-3)

Ireland	Local name	Butan-1-ol
Ireland	OEL (8 hours ref) (ppm)	20 ppm
Ireland	Regulatory reference	Code of Practice for the Chemical Agents Regulations 2018

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8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Materials for protective clothing:

Condition	Material	Standard
		EN 1149-1, EN 1149-2, EN 1149-3, EN 1149-5, EN 168, EN ISO 14116
		EN ISO 13287

Hand protection:

Protective gloves

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
					EN 420

Eye protection:

Safety glasses

Type	Use	Characteristics	Standard
			EN 166, EN 172

Skin and body protection:

Wear suitable protective clothing

Type	Standard
	EN 1149-1, EN 1149-2, EN 1149-3, EN 1149-5, EN 168, EN ISO 14116
	EN ISO 13287

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Device	Filter type	Condition	Standard
			EN 405

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
Appearance	: clear.
Colour	: Yellow-brown.
Odour	: Not characteristic.
Odour threshold	: Not applicable
	Not applicable
pH	: 3 - 5
Relative evaporation rate (butylacetate=1)	: Not applicable
Relative evaporation rate (ether=1)	: Not applicable
Melting point	: Not applicable
Freezing point	: Not applicable
Boiling point	: Not applicable
Flash point	: 57.6 °C
Auto-ignition temperature	: 242 °C
Decomposition temperature	: Not applicable
Flammability (solid, gas)	: Not applicable
Vapour pressure	: Not applicable
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0.913 - 0.923

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Solubility	: Not applicable.
Log Pow	: Not applicable
Viscosity, kinematic	: 3 mm ² /s
Viscosity, dynamic	: No data available
Explosive properties	: not explosive according to EU A.14.
Oxidising properties	: Non oxidizing material according to EC criteria.
Explosive limits	: Not applicable

9.2. Other information

Bulk density	: Not applicable
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SECTION 10: Stability and reactivity

10.1. Reactivity

When exposed to heat, may decompose liberating hazardous gases. Flammable liquid and vapour.

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

Keep out of direct sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

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 toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

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LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 5.65 mg/l/4h

Triclopyr butoxy ethyl ester (64700-56-7)

LD50 oral rat	803 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 4.8 mg/l/4h (MATC)

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat (mg/l)	> 5000 mg/m ³

2,4-D 2-EHE (1928-43-4)

LD50 oral rat	896 mg/kg
LD50 dermal rat	> mg/kg
LD50 dermal rabbit	> 4000 mg/kg
LC50 inhalation rat (mg/l)	> 5.39 mg/l/4h

3-butoxypropan-2-ol; propylene glycol monobutyl ether (5131-66-8)

LD50 oral rat	3300 ml/kg
LD50 dermal rat	> 2000 mg/kg

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LC50 inhalation rat (mg/l)	> 3.5 mg/l/4h
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1-Butanol (71-36-3)

LD50 oral	2100 mg/kg
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LD50 dermal	3400 mg/kg
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Skin corrosion/irritation : Causes skin irritation.
pH: 3 - 5

Additional information : OECD 404 - EC n° 440/2008 B.4

Serious eye damage/irritation : Causes serious eye damage.
pH: 3 - 5

Additional information : OECD 405 - EC n° 440/2008 B.5

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

Additional information : OECD 406 - EC n° 440/2008 B.6 (Albino Guinea Pig)
OECD 429 - EC n° 440/2008 B.42 (LLNA)

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : May be fatal if swallowed and enters airways.

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Viscosity, kinematic	3 mm ² /s
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SECTION 12: Ecological information

12.1. Toxicity

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

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

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LC50 fish	1.2 mg/l (92h)
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EC50 Daphnia	0.7 mg/l (48h Daphnia magna)
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ErC50 (algae)	158 mg/l (72h Selenastrum capricornutum)
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ErC50 (other aquatic plants)	12.8 mg/l (Lemna Gibba)
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Triclopyr butoxy ethyl ester (64700-56-7)

LC50 fish	0.36 mg/l (96h Lepomis macrochirus)
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EC50 Daphnia	2.9 mg/l (48h Daphnia magna)
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ErC50 (algae)	> 3 mg/l (96h Pseudokirchneriella subcapitata)
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Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

LC50 fish	2.2 mg/l
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EC50 Daphnia	> 1000 mg/l (48h Daphnia magna)
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ErC50 (algae)	> 1000 mg/l (72h Pseudokirchneriella subcapitata)
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NOEC (acute)	1000 mg/l (72h Pseudokirchneriella subcapitata)
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NOEC (chronic)	1.22 mg/l (21d Daphnia magna)
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2,4-D 2-EHE (1928-43-4)

LC50 fish	> 0.24 mg/l (96h Menidia beryllina)
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EC50 Daphnia	> 1.91 mg/l (96h Daphnia magna)
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ErC50 (algae)	0.23 mg/l (120d Skeletonema costatum)
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ErC50 (other aquatic plants)	0.5 mg/l (14d Lemna Gibba)
NOEC chronic crustacea	0.015 mg/l (21d Daphnia magna)

3-butoxypropan-2-ol; propylene glycol monobutyl ether (5131-66-8)

LC50 fish	560 mg/l
EC50 Daphnia	> 1000 mg/l

1-Butanol (71-36-3)

NOEC chronic crustacea	4.1 mg/l
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12.2. Persistence and degradability

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

Persistence and degradability	Readily biodegradable.
Biodegradation	69 % (28d OECD 301F)

3-butoxypropan-2-ol; propylene glycol monobutyl ether (5131-66-8)

Persistence and degradability	Biodegradable.
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12.3. Bioaccumulative potential

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Log Pow	Not applicable
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Triclopyr butoxy ethyl ester (64700-56-7)

BCF fish	100 - 300
Log Pow	4.09 - 4.49

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

Log Pow	not applicable
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2,4-D 2-EHE (1928-43-4)

BCF fish	10
Log Pow	0.83

3-butoxypropan-2-ol; propylene glycol monobutyl ether (5131-66-8)

Log Pow	1.2
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Benzenesulfonic acid, C10-13-alkyl derivs., calcium salt

Log Pow	2.89 (20 °C, Test method EU A.8)
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12.4. Mobility in soil

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Surface tension	28.4 mN/m
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Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

Mobility in soil	Low
Surface tension	0.0257 N/m (25°C; EN 14370)

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods

: 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.

Additional information

: Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Notify authorities if product enters sewers or public waters. Flammable vapours may accumulate in the container.

European List of Waste (LoW) code

: 02 01 08* - agrochemical waste containing dangerous substances

HP Code

: HP3 - "Flammable:"
— flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;
— flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;
— flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;
— flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;
— water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;
— other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.
HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration.
HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment
HP13 - "Sensitising:" waste which contains one or more substances known to cause sensitising effects to the skin or the respiratory organs.

SECTION 14: Transport information

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

ADR	IMDG	IATA
14.1. UN number		
UN 1993	UN 1993	UN 1993
14.2. UN proper shipping name		
FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	Flammable liquid, n.o.s.
Transport document description		
UN 1993 FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics), 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS	UN 1993 FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics), 3, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 1993 Flammable liquid, n.o.s. (Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics), 3, III, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)		
3	3	3
		
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)

: F1

Special provisions (ADR)

: 274, 601

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Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
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)	: LGBF
Vehicle for tank carriage	: FL
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Operation (ADR)	: S2
Hazard identification number (Kemler No.)	: 30
Orange plates	:



Tunnel restriction code	: D/E
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Transport by sea

Special provisions (IMDG)	: 223, 274, 955
Packing instructions (IMDG)	: P001, LP01
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1, TP29
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-E
Stowage category (IMDG)	: A

Air transport

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y344
PCA limited quantity max net quantity (IATA)	: 10L
PCA packing instructions (IATA)	: 355
PCA max net quantity (IATA)	: 60L
CAO packing instructions (IATA)	: 366
CAO max net quantity (IATA)	: 220L
Special provisions (IATA)	: A3
ERG code (IATA)	: 3L

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. 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.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

Directive 2012/18/EU (SEVESO III)

Seveso Additional information	: Directive 2012/18/EU (SEVESO III): P5c FLAMMABLE LIQUIDS Flammable liquids, Categories 2 or 3 not covered by P5a and P5b E1 Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1
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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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
1.1	Product code	Modified	
1.2	Restrictions on use	Added	
7.2	Storage conditions	Modified	

Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
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]:

Flam. Liq. 3	H226	On basis of test data
Skin Irrit. 2	H315	Expert judgment
Eye Dam. 1	H318	Expert judgment
Skin Sens. 1	H317	Expert judgment

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Asp. Tox. 1	H304	Calculation method
Aquatic Acute 1	H400	On basis of test data
Aquatic Chronic 1	H410	Calculation method

Safety Data Sheet applicable for regions : EU - Europe;IE - Ireland

SDS EU (REACH Annex II)

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.