

Classidur AF



SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : Classidur AF

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

Consumer and professional

Identified uses

Paint / see technical data sheet

1.3. Details of the supplier of the safety data sheet

Registered company name : VERNIS CLAESSENS SA.

Address : Avenue du Silo 6.CH-1020 .Renens.Suisse.

Telephone : +41 (0)21 637 17 17. Fax : +41 (0)21 637 17 29.

mail@claessens.com

www.claessens.com

REACH EU Only Representative : ICP Alltek , Lagnieu (France) reach@icp-alltek.com

1.4. Emergency telephone number : 145.

Association/Organisation : centre toxicologique Zurich.

Other emergency numbers

England : In an emergency Contact NHS 111 or a doctor / Belgium : +32 70 245 245

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Repeated exposure may cause skin dryness or cracking (EUH066).

Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.2. Label elements

This paint contains a biocidal product for dry film protection.

Active ingredients:

terbutryn (CAS 886-50-0)

Active ingredients:

zinc salts of pyridine-1-oxy-2-thiol (CAS 13463-41-7)

Active ingredients:

2-octyl-2H-isothiazol-3-one (CAS 26530-20-1)

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard statements :

H412

Harmful to aquatic life with long lasting effects.

EUH066

Repeated exposure may cause skin dryness or cracking.

Precautionary statements - General :

P102

Keep out of reach of children.

Precautionary statements - Prevention :

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260

Do not breathe dust/fume/gas/mist/vapours/spray.

P262

Do not get in eyes, on skin, or on clothing.

P271

Use only outdoors or in a well-ventilated area.

P273

Avoid release to the environment.

Precautionary statements - Disposal :

P501

Dispose of contents/container to hazardous or special waste collection point.

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2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

Identification	(EC) 1272/2008	Note	%
EC: 918-167-1 REACH: 01-2119472146-39 HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS	GHS08, GHS02 Dgr Flam. Liq. 3, H226 Asp. Tox. 1, H304		2.5 \leq x % < 10
EC: 920-901-0 REACH: 01-2119456810-40 HYDROCARBURES C11-C13, ISOALCANES, <2% SUBSTANCES AROMATIQUES	GHS08 Dgr Asp. Tox. 1, H304		2.5 \leq x % < 10
CAS: 6846-50-0 EC: 229-934-9 REACH: 01-2119451093-47 DIISOBUTYRATE DE 1-ISOPROPYL-2,2-DIMÉTHYLTRIMÉTHYL ÈNE	GHS08 Wng Repr. 2, H361d Aquatic Chronic 3, H412	[2]	1 \leq x % < 2.5
CAS: 13463-41-7 EC: 236-671-3 SELS DE ZINC DU PYRIDINE-1-OXY-2-THIOL	GHS06, GHS05, GHS09 Dgr Acute Tox. 3, H301 Eye Dam. 1, H318 Acute Tox. 4, H332 Aquatic Acute 1, H400 M Acute = 100 Aquatic Chronic 1, H410 M Chronic = 10		0 \leq x % < 1
CAS: 886-50-0 EC: 212-950-5 TERBUTRYNE	GHS07, GHS09 Wng Acute Tox. 4, H302 Skin Sens. 1, H317 Aquatic Acute 1, H400 M Acute = 100 Aquatic Chronic 1, H410 M Chronic = 100		0 \leq x % < 1

(Full text of H-phrases: see section 16)

Information on ingredients :

[2] Carcinogenic, mutagenic or reprotoxic (CMR) substance.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with eyes :

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

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In the event of splashes or contact with skin :

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing :

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

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

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO₂)

Unsuitable methods of extinction

In the event of a fire, do not use :

- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

5.3. Advice for firefighters

No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Avoid any contact with the skin and eyes.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

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6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure that there is adequate ventilation, especially in confined areas.

Fire prevention :

Handle in well-ventilated areas.

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep out of reach of children.

Keep the container tightly closed in a dry, well-ventilated place.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No data available.

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

DIISOBUTYRATE DE 1-ISOPROPYL-2,2-DIMÉTHYLTRIMÉTHYLÈNE (CAS: 6846-50-0)

Final use:

Exposure method:
Potential health effects:
DNEL :

Workers.

Dermal contact.
Long term systemic effects.
31.2 mg/kg body weight/day

Exposure method:
Potential health effects:
DNEL :

Inhalation.
Long term systemic effects.
110 mg of substance/m³

Final use:

Exposure method:
Potential health effects:

Man exposed via the environment.

Ingestion.
Long term systemic effects.

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DNEL :	18.8 mg/kg body weight/day
Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	18.8 mg/kg body weight/day
Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL :	32.6 mg of substance/m3

Predicted no effect concentration (PNEC):

DIISOBUTYRATE DE 1-ISOPROPYL-2,2-DIMÉTHYLTRIMÉTHYLÈNE (CAS: 6846-50-0)

Environmental compartment:	Soil.
PNEC :	0.926
Environmental compartment:	Fresh water.
PNEC :	0.014 mg/l
Environmental compartment:	Sea water.
PNEC :	0.0014 mg/l
Environmental compartment:	Intermittent waste water.
PNEC :	0.14 mg/l
Environmental compartment:	Fresh water sediment.
PNEC :	1.15
Environmental compartment:	Marine sediment.
PNEC :	0.115
Environmental compartment:	Waste water treatment plant.
PNEC :	3 mg/l

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

- PVA (Polyvinyl alcohol)

Recommended properties :

- Impervious gloves in accordance with standard EN374

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- Body protection

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing :

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information :

Physical state : Viscous liquid.

Important health, safety and environmental information

pH :	Not relevant.
Boiling point/boiling range :	Not specified.
Flash Point Interval :	60°C < FP ≤ 93°C
Vapour pressure (50°C) :	Below 110 kPa (1.10 bar).
Density :	> 1
Water solubility :	Insoluble.
Viscosity :	> 20.5 mm ² /s (@40°C)
Melting point/melting range :	Not specified.
Self-ignition temperature :	Not specified.
Decomposition point/decomposition range :	Not specified.

9.2. Other information

No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)

- carbon dioxide (CO₂)

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SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Exposure to vapours from solvents in the mixture in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.

Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.

Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Splashes in the eyes may cause irritation and reversible damage

11.1.1. Substances

Acute toxicity :

DIISOBUTYRATE DE 1-ISOPROPYL-2,2-DIMÉTHYLTRIMÉTHYLÈNE (CAS: 6846-50-0)

Oral route : LD50 > 2000 mg/kg
Species : Rat

Dermal route : LD50 > 2000 mg/kg
Species : Others

Inhalation route (n/a) : LC50 0.12

HYDROCARBURES C11-C13, ISOALCANES, <2% SUBSTANCES AROMATIQUES

Oral route : LD50 = 5000 mg/kg
Species : Rat
OECD Guideline 401 (Acute Oral Toxicity)

Dermal route : LD50 = 5000 mg/kg
Species : Rabbit
OECD Guideline 402 (Acute Dermal Toxicity)

Inhalation route (n/a) : LC50 = 5.6 mg/l
Species : Rat

HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS

Oral route : LD50 > 5000 mg/kg
Species : Rat
OECD Guideline 401 (Acute Oral Toxicity)

Dermal route : LD50 > 5000 mg/kg
Species : Rabbit
OECD Guideline 402 (Acute Dermal Toxicity)

Inhalation route (n/a) : LC50 > 5000 mg/m3
Species : Rat
OECD Guideline 403 (Acute Inhalation Toxicity)

Skin corrosion/skin irritation :

HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS
OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Germ cell mutagenicity :

HYDROCARBURES C11-C13, ISOALCANES, <2% SUBSTANCES AROMATIQUES

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Ames test (in vitro) : OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Negative.

HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS
No mutagenic effect.

OECD Guideline 471 (Bacterial Reverse Mutation Assay)

Carcinogenicity :

HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS

Carcinogenicity Test :

Negative.

No carcinogenic effect.

OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

Reproductive toxicant :

DIISOBUTYRATE DE 1-ISOPROPYL-2,2-DIMÉTHYLTRIMÉTHYLÈNE (CAS: 6846-50-0)

Suspected of damaging the unborn child.

HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS

No toxic effect for reproduction

OECD Guideline 414 (Prenatal Developmental Toxicity Study)

OECD Guideline 415 (One-Generation Reproduction Toxicity Study)

Specific target organ systemic toxicity - repeated exposure :

HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS

OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day)

11.1.2. Mixture

No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer) :

CAS 13463-67-7 : IARC Group 2B : The agent is possibly carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION

Harmful to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures.

12.1. Toxicity

12.1.1. Substances

DIISOBUTYRATE DE 1-ISOPROPYL-2,2-DIMÉTHYLTRIMÉTHYLÈNE (CAS: 6846-50-0)

Fish toxicity :

NOEC >= 6 mg/l

Duration of exposure : 96 h

Crustacean toxicity :

EC50 mg/l

Duration of exposure : 21 days

NOEC = 0.7 mg/l

Duration of exposure : 48 h

Algae toxicity :

EC50 mg/l

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	Duration of exposure : 72 h
TERBUTRYNE (CAS: 886-50-0)	
Fish toxicity :	0.001 < LC50 <= 0.01 mg/l Factor M = 100 Duration of exposure : 96 h
Crustacean toxicity :	Species : Daphnia magna
Algae toxicity :	Species : Selenastrum capricornutum
SELS DE ZINC DU PYRIDINE-1-OXY-2-THIOL (CAS: 13463-41-7)	
Fish toxicity :	0.001 < LC50 <= 0.01 mg/l Factor M = 100 Duration of exposure : 96 h
	Factor M = 10
HYDROCARBURES C11-C13, ISOALKANES, <2% SUBSTANCES AROMATIQUES	
Fish toxicity :	LC50 > 1000 mg/l Species : Oncorhynchus mykiss Duration of exposure : 96 h OECD Guideline 203 (Fish, Acute Toxicity Test)
Crustacean toxicity :	EC50 > 1000 mg/l Species : Daphnia magna Duration of exposure : 48 h OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
	NOEC > 1 mg/l Species : Daphnia magna Duration of exposure : 21 days OECD Guideline 211 (Daphnia magna Reproduction Test)
Algae toxicity :	ECr50 > 1000 mg/l Species : Pseudokirchnerella subcapitata Duration of exposure : 72 h OECD Guideline 201 (Alga, Growth Inhibition Test)
	NOEC = 1000 mg/l Species : Pseudokirchnerella subcapitata Duration of exposure : 72 h OECD Guideline 201 (Alga, Growth Inhibition Test)
HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS	
Fish toxicity :	LC50 = 1000 mg/l Species : Oncorhynchus mykiss Duration of exposure : 96 h
Crustacean toxicity :	EC50 1000 mg/l Species : Daphnia magna Duration of exposure : 48 h
	NOEC >= 1 mg/l

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Algae toxicity : Species : Daphnia magna
Duration of exposure : 21 days
ECr50 1000 mg/l
Species : Pseudokirchnerella subcapitata
Duration of exposure : 72 h

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

TERBUTRYNE (CAS: 886-50-0)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

SELS DE ZINC DU PYRIDINE-1-OXY-2-THIOL (CAS: 13463-41-7)

Biodegradability : Rapidly degradable.

DIISOBUTYRATE DE 1-ISOPROPYL-2,2-DIMÉTHYLTRIMÉTHYLÈNE (CAS: 6846-50-0)

Biodegradability : Rapidly degradable.

HYDROCARBURES C11-C13, ISOALCANES, <2% SUBSTANCES AROMATIQUES

Biodegradability : Non-rapidly degradable.

HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS

Biodegradability : Rapidly degradable.

12.3. Bioaccumulative potential

12.3.1. Substances

TERBUTRYNE (CAS: 886-50-0)

Octanol/water partition coefficient : log K_{ow} = 3.19
OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)

Bioaccumulation : BCF = 103

SELS DE ZINC DU PYRIDINE-1-OXY-2-THIOL (CAS: 13463-41-7)

Octanol/water partition coefficient : log K_{ow} = 1.21
OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)

DIISOBUTYRATE DE 1-ISOPROPYL-2,2-DIMÉTHYLTRIMÉTHYLÈNE (CAS: 6846-50-0)

Octanol/water partition coefficient : log K_{ow} = 3

Bioaccumulation : 100 ≤ BCF < 500.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

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SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.
Conform to local regulations about water protection.
Waste and used packages must be eliminated following local regulations.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

Codes of wastes (Decision 2014/955/EC, Directive 2008/98/EEC on hazardous waste) :

15 01 04 metallic packaging

08 01 11 * waste paint and varnish containing organic solvents or other dangerous substances

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

14.1. UN number

-

14.2. UN proper shipping name

-

14.3. Transport hazard class(es)

-

14.4. Packing group

-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

SECTION 15 : REGULATORY INFORMATION

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

Swiss Ordinance on Protection against Major Accidents no threshold quantity

Waters Protection Ordinance Category B

- Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2018/1480 (ATP 13)

- Container information:

No data available.

- Labelling for VOCs present in varnishes, paints and in vehicle refinishing products (2004/42/EC) :

The permitted European level of VOC in this ready-to-use product is limited to 350 g/l.

The permitted European levels of VOC in the ready-to-use product (category II Ag) are 450 g/l maximum in 2007 and 350 g/l maximum in 2010.

- Particular provisions :

No data available.

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15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H361d	Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Abbreviations :

DNEL : Derived No-Effect Level

PNEC : Predicted No-Effect Concentration

CMR: Carcinogenic, mutagenic or reprotoxic.

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.

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Difference Report

~~Revision: N°2 (09/04/2019) / Version: N°1 (09/04/2019)~~

~~Revision: N°1 (23/06/2017) / Version: N°2 (11/06/2018)~~

SECTION 2 : HAZARDS IDENTIFICATION

In compliance with EC regulation No. 1272/2008 and its amendments.

~~May produce an allergic reaction (EUH208).~~

~~This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.~~

Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).

In compliance with EC regulation No. 1272/2008 and its amendments.

Additional labeling:

EUH208

~~Contains OETHILINONE (ISO). May produce an allergic reaction.~~

H412

Harmful to aquatic life with long lasting effects.

P273

Avoid release to the environment.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Composition :

INDEX: 613-112-00-5 CAS: 26530-20-1 EC: 247-761-7 OETHILINONE (ISO)	GHS06, GHS05, GHS09 Dgr Acute Tox. 3, H331 Acute Tox. 3, H311 Acute Tox. 4, H302 Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1	[1]	0 <= x % < 1
CAS: 13463-41-7 EC: 236-671-3 SELS DE ZINC DU PYRIDINE-1-OXY-2-THIOL	GHS06, GHS05, GHS09 Dgr Acute Tox. 3, H301 Eye Dam. 1, H318 Acute Tox. 4, H332 Aquatic Acute 1, H400 M Acute = 100 Aquatic Chronic 1, H410 M Chronic = 10		0 <= x % < 1
CAS: 886-50-0 EC: 212-950-5 TERBUTRYNE	GHS07, GHS09 Wng Acute Tox. 4, H302 Skin Sens. 1, H317 Aquatic Acute 1, H400 M Acute = 100 Aquatic Chronic 1, H410 M Chronic = 100		0 <= x % < 1

Information on ingredients :

[1] Substance for which maximum workplace exposure limits are available.

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SECTION 4 : FIRST AID MEASURES

In the event of exposure by inhalation :

~~In the event of an allergic reaction, seek medical attention.~~

In the event of splashes or contact with skin :

~~In the event of an allergic reaction, seek medical attention.~~

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits :

~~Germany (AGW (BAuA - TRGS 900, 29/01/2018) :~~

CAS	VME :	VME :	Excess	Notes
26530-20-1		0,05 E mg/m ³		2(f)

~~Switzerland (SUVAPRO 2017) :~~

CAS	VME	VLE	Valeur-plafond	Notations
26530-20-1	0,05 i mg/m ³	0,1 i mg/m ³		R-S

- Hand protection

~~Wear suitable protective gloves in the event of prolonged or repeated skin contact.~~

8.1. Control parameters

No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.4. Conditions to avoid

~~Avoid :~~

10.5. Incompatible materials

~~Keep away from :~~

SECTION 11 : TOXICOLOGICAL INFORMATION

Respiratory or skin sensitisation :

~~Contains at least one sensitising substance. May cause an allergic reaction.~~

Monograph(s) from the IARC (International Agency for Research on Cancer) :

~~CAS 14807-96-6 : IARC Group 2B : The agent is possibly carcinogenic to humans.~~

11.1.2. Mixture

No toxicological data available for the mixture.

SECTION 12 : ECOLOGICAL INFORMATION

Harmful to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

12.1.1. Substances

TERBUTRYNE (CAS: 886-50-0)

Fish toxicity : 0.001 < LC50 <= 0.01 mg/l

Factor M = 100

Crustacean toxicity : Species : Daphnia magna

Algae toxicity : Species : Selenastrum capricornutum

SELS DE ZINC DU PYRIDINE-1-OXY-2-THIOL (CAS: 13463-41-7)

Fish toxicity : 0.001 < LC50 <= 0.01 mg/l

Factor M = 100

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Factor M = 10

12.2.1. Substances

TERBUTRYNE (CAS: 886-50-0)

Biodegradability :

no degradability data is available, the substance is considered as not degrading quickly.

SELS DE ZINC DU PYRIDINE-1-OXY-2-THIOL (CAS: 13463-41-7)

12.3.1. Substances

TERBUTRYNE (CAS: 886-50-0)

Octanol/water partition coefficient :

log K_{ow} = 3.19

OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)

Bioaccumulation :

BCF = 103

SELS DE ZINC DU PYRIDINE-1-OXY-2-THIOL (CAS: 13463-41-7)

Octanol/water partition coefficient :

log K_{ow} = 1.21

OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)

SECTION 15 : REGULATORY INFORMATION

- Classification and labelling information included in section 2:

~~-EU Regulation No. 1272/2008 amended by EU Regulation No. 2016/1179. (ATP 9)~~

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2018/1480 (ATP 13)

SECTION 16 : OTHER INFORMATION

Wording of the phrases mentioned in section 3 :

H311

~~Toxic in contact with skin.~~

H314

~~Causes severe skin burns and eye damage.~~

H331

~~Toxic if inhaled.~~

H301

Toxic if swallowed.

H318

Causes serious eye damage.

H332

Harmful if inhaled.