

# Safety data sheet

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BASF Safety data sheet according to UN GHS 4th rev.

Date / Revised: 24.10.2019 Version: 2.0

Product: Poncho Votivo

(ID no. 30740597/SDS\_CPA\_00/EN)

Date of print 24.01.2022

## 1. Identification

# **Product identifier**

# **Poncho Votivo**

# Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: crop protection product, insecticide

## Details of the supplier of the safety data sheet

Company:
BASF SE
67056 Ludwigshafen
GERMANY
Operating Division Crop Protection

Telephone: +49 621 60-27777

E-mail address: Produktinformation-Pflanzenschutz@basf.com

# **Emergency telephone number**

International emergency number: Telephone: +49 180 2273-112

# 2. Hazards Identification

#### Classification of the substance or mixture

According to UN GHS criteria

Acute Tox. 4 (oral) Aquatic Acute 1 Aquatic Chronic 1

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For the classifications not written out in full in this section the full text can be found in section 16.

#### Label elements

Globally Harmonized System (GHS)

#### Pictogram:





# Signal Word: Warning

# Hazard Statement:

H302 Harmful if swallowed. H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

#### **Precautionary Statement:**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

## Precautionary Statements (Prevention):

P280 Wear protective gloves/clothing/eye protection.
P270 Do not eat, drink or smoke when using this product.
P264 Wash contaminated body parts thoroughly after handling.

## Precautionary Statements (Response):

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you

feel unwell.

P330 Rinse mouth. P391 Collect spillage.

## Precautionary Statements (Disposal):

P501 Dispose of contents/container to hazardous or special waste collection

point.

Micro-organisms may have the potential to provoke sensitising reactions.

## Labeling of special preparations (GHS):

May produce an allergic reaction. Contains: 1,2-Benzisothiazol-3(2H)-one, mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

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Hazard determining component(s) for labelling: Guanidine, N-[(2-chloro-5-thiazolyl)methyl]-N'-methyl-N"-nitro-, [C(E)]-

#### Other hazards

#### According to UN GHS criteria

See section 12 - Results of PBT and vPvB assessment.

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

# 3. Composition/Information on Ingredients

## **Substances**

Not applicable

## **Mixtures**

#### Chemical nature

crop protection product, insecticide, product for seed treatment

Contains: Bacillus firmus

<u>Hazardous ingredients (GHS)</u> According to UN GHS criteria

clothianidin (ISO); 3-[(2-chloro-1,3-thiazol-5-yl)methyl]-2-methyl-1-nitroguanidine

Content (W/W): 39,7 % CAS Number: 210880-92-5 EC-Number: 433-460-1 INDEX-Number: 613-307-00-5

Aquatic Acute 1 Aquatic Chronic 1 M-factor acute: 10 M-factor chronic: 100 H302, H400, H410

Acute Tox. 4 (oral)

Bacillus firmus I-1582

Content (W/W): 8 %

1,2-Benzisothiazol-3(2H)-one

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Content (W/W): < 0,05 % CAS Number: 2634-33-5 EC-Number: 220-120-9 INDEX-Number: 613-088-00-6

Acute Tox. 4 (oral) Skin Corr./Irrit. 2 Eye Dam./Irrit. 1 Skin Sens. 1 Aquatic Acute 1 M-factor acute: 1 M-factor chronic: 1

H318, H315, H302, H317, H400

Specific concentration limit: Skin Sens. 1: >= 0,05 %

mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Content (W/W): < 0,0015 % CAS Number: 55965-84-9

W): < 0,0015 % Acute Tox. 3 (oral) er: 55965-84-9 Acute Tox. 2 (Inhal

INDEX-Number: 613-167-00-5

Acute Tox. 2 (Inhalation - mist) Acute Tox. 2 (dermal)

Skin Corr./Irrit. 1C
Eye Dam./Irrit. 1
Skin Sens. 1A
Aquatic Acute 1
Aquatic Chronic 1
M-factor acute: 100
M-factor chronic: 1

H301, H317, H314, H310 + H330, H400, H410

**EUH071** 

Specific concentration limit:

Skin Corr./Irrit. 1C: >= 0,6 % Skin Sens. 1A: >= 0,0015 % Eye Dam./Irrit. 1: >= 0,6 % Skin Corr./Irrit. 2: 0,06 - < 0,6 % Eye Dam./Irrit. 2: 0,06 - < 0,6 %

Sodium chloride

Content (W/W): < 5 % CAS Number: 7647-14-5 EC-Number: 231-598-3 Acute Tox. 5 (oral)

H303

Glycerol

Content (W/W): < 10 % CAS Number: 56-81-5 EC-Number: 200-289-5

Propane-1,2-diol

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Content (W/W): < 5 % CAS Number: 57-55-6 EC-Number: 200-338-0

For the classifications not written out in full in this section the full text can be found in section 16.

#### 4. First-Aid Measures

## **Description of first aid measures**

Remove contaminated clothing. If symptoms persist, seek medical advice. Move person to fresh air.

#### If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

#### On skin contact:

Wash thoroughly with soap and water.

## On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open. Remove contact lenses, if present. If symptoms persist, seek medical advice.

#### On ingestion:

Rinse mouth immediately with water. Do not induce vomiting. Seek medical attention.

## Most important symptoms and effects, both acute and delayed

Symptoms: Additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11., (Further) symptoms and / or effects are not known so far

## Indication of any immediate medical attention and special treatment needed

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

# 5. Fire-Fighting Measures

## **Extinguishing media**

Suitable extinguishing media:

water spray, foam, carbon dioxide, Dry sand, dry powder

## Special hazards arising from the substance or mixture

Carbon monoxide, Hydrogen cyanide, Hydrogen chloride, Carbon dioxide, nitrogen oxides, sulfur oxides

The substances/groups of substances mentioned can be released in case of fire.

# Advice for fire-fighters

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Special protective equipment:

Wear self-contained breathing apparatus and chemical-protective clothing.

#### Further information:

Keep containers cool by spraying with water if exposed to fire. In case of fire and/or explosion do not breathe fumes. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

## 6. Accidental Release Measures

## Personal precautions, protective equipment and emergency procedures

Do not breathe vapour/spray. Use personal protective clothing. Avoid contact with the skin, eyes and clothing.

## **Environmental precautions**

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

# Methods and material for containment and cleaning up

For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

For large amounts: Dike spillage. Pump off product.

Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

## 7. Handling and Storage

## Precautions for safe handling

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.

Protection against fire and explosion:

No special precautions necessary. The substance/product is non-combustible. Product is not explosive.

## Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feeds.

Further information on storage conditions: Keep away from heat. Protect from direct sunlight.

Protect from temperatures below: 0 °C

Changes in the properties of the product may occur if substance/product is stored below indicated temperature for extended periods of time.

Protect from temperatures above: 30 °C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

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# Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

# 8. Exposure Controls/Personal Protection

# **Control parameters**

Components with occupational exposure limits

56-81-5: Glycerol

57-55-6: Propane-1,2-diol

7647-14-5: Sodium chloride

55965-84-9: mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one

(3:1)

## **Exposure controls**

## Personal protective equipment

Respiratory protection:

Respiratory protection not required.

## Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc.

#### Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

## Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

## General safety and hygiene measures

The statements on personal protective equipment in the instructions for use apply when handling crop-protection agents in final-consumer packing. Wearing of closed work clothing is recommended. Avoid contact with skin and eyes. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

# 9. Physical and Chemical Properties

## Information on basic physical and chemical properties

Form: liquid Colour: dark grey

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Odour:

Odour threshold:

Not determined due to potential

health hazard by inhalation.

pH value: approx. 5,0 - 8,0

(100 %(m), 23 °C)

musty

Melting point:

The product has not been tested.

Boiling point: approx. 99 °C Flash point: > 99 °C

No flash point - Measurement made

up to the boiling point.

Evaporation rate:

Flammability:

not applicable not applicable

Lower explosion limit:

As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with

the intended use.

Upper explosion limit:

As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with

the intended use.

Ignition temperature:

Based on the water content the

product does not ignite.

Vapour pressure:

Solubility in water:

The product has not been tested.

Density: approx. 1,28 g/cm3

(20 °C)

Relative vapour density (air):

not applicable dispersible

Partitioning coefficient n-octanol/water (log Kow):

not applicable

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Viscosity, dynamic: approx. 500 - 850 mPa.s

(25 °C)

approx. 280 - 480 mPa.s

(20 °C, 20 1/s)

approx. 170 - 320 mPa.s

(20 °C, 100 1/s)

Explosion hazard: Based on the chemical structure

there is no indicating of explosive

properties.

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Fire promoting properties: Based on its structural properties

the product is not classified as

oxidizing.

#### Other information

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

# 10. Stability and Reactivity

## Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

## **Chemical stability**

The product is stable if stored and handled as prescribed/indicated.

## Possibility of hazardous reactions

No hazardous reactions if stored and handled as prescribed/indicated.

## **Conditions to avoid**

See SDS section 7 - Handling and storage.

## Incompatible materials

Substances to avoid:

strong acids, strong bases, strong oxidizing agents

## **Hazardous decomposition products**

Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

## 11. Toxicological Information

## Information on toxicological effects

## Acute toxicity

Assessment of acute toxicity:

Of moderate toxicity after single ingestion. Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation.

Experimental/calculated data:

LD50 rat (oral): 2.000 mg/kg (OECD Guideline 425)

LC50 rat (by inhalation): > 2,03 mg/l 4 h (OECD Guideline 403)

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Highest concentration capable of testing. An aerosol was tested.

LD50 rat (dermal): > 5.000 mg/kg

#### Irritation

Assessment of irritating effects:

Not irritating to the eyes. Not irritating to the skin.

Experimental/calculated data:

Skin corrosion/irritation rabbit: Slightly irritating. (OECD Guideline 404)

Serious eye damage/irritation rabbit: Slightly irritating. (OECD Guideline 405)

## Respiratory/Skin sensitization

Assessment of sensitization:

There is no evidence of a skin-sensitizing potential.

Experimental/calculated data:

mouse: Non-sensitizing. (similar to OECD guideline 429)

#### Germ cell mutagenicity

Assessment of mutagenicity:

The product has not been tested. The statement has been derived from the properties of the individual components. Mutagenicity tests revealed no genotoxic potential.

## Carcinogenicity

Assessment of carcinogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Sodium chloride

Assessment of carcinogenicity:

The substance showed tumor-promoting activity in rodents when given at high doses in the diet after pretreatment with a carcinogenic substance. No carcinogenic potential can be deduced from other studies with rats and mice.

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#### Reproductive toxicity

Assessment of reproduction toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: clothianidin (ISO); 3-[(2-chloro-1,3-thiazol-5-yl)methyl]-2-methyl-1-nitroguanidine Assessment of reproduction toxicity:

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Animal studies gave no indication of a fertility impairing effect at doses which were not toxic to the parental animals.

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#### Developmental toxicity

Assessment of teratogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: clothianidin (ISO); 3-[(2-chloro-1,3-thiazol-5-yl)methyl]-2-methyl-1-nitroguanidine Assessment of teratogenicity:

Causes developmental effects in animals at high, maternally toxic doses.

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## Specific target organ toxicity (single exposure)

## Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Remarks: The product has not been tested. The statement has been derived from the properties of the individual components.

## Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Sodium chloride

Assessment of repeated dose toxicity:

Repeated exposure to large quantities may affect certain organs.

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## Aspiration hazard

No aspiration hazard expected.

The product has not been tested. The statement has been derived from the properties of the individual components.

#### Other relevant toxicity information

Misuse can be harmful to health.

# 12. Ecological Information

## **Toxicity**

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Assessment of aquatic toxicity:

Very toxic to aquatic life with long lasting effects.

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: clothianidin (ISO); 3-[(2-chloro-1,3-thiazol-5-yl)methyl]-2-methyl-1-nitroguanidine Toxicity to fish:

LC50 (96 h) > 104,2 mg/l, Oncorhynchus mykiss (OECD Guideline 203, static)

LC50 (96 h) > 117 mg/l, Lepomis macrochirus (EPA 72-1, static)

Information on: Bacillus firmus I-1582

Toxicity to fish:

LC50 (96 h) > 100 mg/l (> 1,05\*10^10 CFU/L), Oncorhynchus mykiss (OECD 203; ISO 7346;

92/69/EEC, C.1, static)

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Information on: clothianidin (ISO); 3-[(2-chloro-1,3-thiazol-5-yl)methyl]-2-methyl-1-nitroguanidine Aquatic invertebrates:

EC50 (48 h) 40 mg/l, Daphnia magna (OPP 72-2 (EPA-guideline), static)

EC50 (48 h) 0,029 mg/l, Chironomus riparius (static)

Information on: Bacillus firmus I-1582

Aquatic invertebrates:

EC50 (48 h) > 100 mg/l (> 1,05\*10^10 CFU/L), Daphnia magna (OECD Guideline 202, part 1, static)

Information on: clothianidin (ISO); 3-[(2-chloro-1,3-thiazol-5-yl)methyl]-2-methyl-1-nitroguanidine Aquatic plants:

EC50 (72 h) > 120 mg/l (growth rate), Pseudokirchneriella subcapitata (static)

No observed effect concentration (72 h) 15 mg/l (growth rate), Pseudokirchneriella subcapitata (static)

EC50 (14 d) > 121 mg/l, Lemna gibba (other, semistatic)

No observed effect concentration (14 d) 59 mg/l, Lemna gibba (other, semistatic)

Information on: Bacillus firmus I-1582

Aquatic plants:

EC50 (72 h) 24,2 mg/l (17.2\*10^8 CFU/L) (growth rate), Pseudokirchneriella subcapitata (OECD Guideline 201, static)

EC10 (72 h) 12,12 mg/l (growth rate), Pseudokirchneriella subcapitata (OECD Guideline 201, static)

Information on: clothianidin (ISO); 3-[(2-chloro-1,3-thiazol-5-yl)methyl]-2-methyl-1-nitroguanidine Chronic toxicity to fish:

No observed effect concentration (28 d) 20 mg/l, Pimephales promelas (OECD Guideline draft, Flow through.)

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Information on: clothianidin (ISO); 3-[(2-chloro-1,3-thiazol-5-yl)methyl]-2-methyl-1-nitroguanidine Chronic toxicity to aquatic invertebrates:

No observed effect concentration (21 d) 0,12 mg/l, Daphnia magna (OECD Guideline 211, semistatic)

EC10 (28 d) 0,00072 mg/l, Chironomus riparius (other, static)

Information on: Bacillus firmus I-1582

Chronic toxicity to aquatic invertebrates:

No observed effect concentration (21 d) 1,04\*10^8 CFU/L, Daphnia magna (other, semistatic)

Limit concentration test only (LIMIT test).

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## Persistence and degradability

Assessment biodegradation and elimination (H2O):

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: clothianidin (ISO); 3-[(2-chloro-1,3-thiazol-5-yl)methyl]-2-methyl-1-nitroguanidine Assessment biodegradation and elimination (H2O):

Not readily biodegradable (by OECD criteria).

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# **Bioaccumulative potential**

Assessment bioaccumulation potential:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: clothianidin (ISO); 3-[(2-chloro-1,3-thiazol-5-yl)methyl]-2-methyl-1-nitroguanidine Assessment bioaccumulation potential:

Does not accumulate in organisms.

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# Mobility in soil

Assessment transport between environmental compartments:

Adsorption in soil: The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: clothianidin (ISO); 3-[(2-chloro-1,3-thiazol-5-yl)methyl]-2-methyl-1-nitroguanidine Assessment transport between environmental compartments:

Adsorption in soil: Following exposure to soil, the product trickles away and can - dependant on degradation - be transported to deeper soil areas with larger water loads.

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## Results of PBT and vPvB assessment

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The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

#### Other adverse effects

The product does not contain substances that are listed in the Montreal Protocol on substances that deplete the ozone layer.

#### **Additional information**

Other ecotoxicological advice:

Do not discharge product into the environment without control.

# 13. Disposal Considerations

#### Waste treatment methods

Must be sent to a suitable incineration plant, observing local regulations.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

# 14. Transport Information

#### **Land transport**

ADR

UN number UN3082

UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S. (contains CLOTHIANIDINE SOLUTION)

Transport hazard class(es): 9, EHSM

Packing group: III Environmental hazards: yes

Special precautions for

user: None known

RID

UN number UN3082

UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S. (contains CLOTHIANIDINE SOLUTION)

Transport hazard class(es): 9, EHSM

Packing group:

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Environmental hazards: yes

Special precautions for

user:

None known

## **Inland waterway transport**

ADN

UN number UN3082

UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S. (contains CLOTHIANIDINE SOLUTION)

Transport hazard class(es): 9, EHSM

Packing group: III Environmental hazards: yes

Special precautions for None known

user:

## Transport in inland waterway vessel

Not evaluated

#### Sea transport

**IMDG** 

UN number: UN 3082

UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S. (contains CLOTHIANIDINE SOLUTION)

Transport hazard class(es): 9, EHSM

Packing group: III Environmental hazards: yes

Marine pollutant: YES

Special precautions for

user:

None known

## Air transport

IATA/ICAO

UN number: UN 3082

UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S. (contains CLOTHIANIDINE SOLUTION)

Transport hazard class(es): 9, EHSM

Packing group: III
Environmental hazards: ves

Special precautions for

None known

user:

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## Transport in bulk according to Annex II of MARPOL and the IBC Code

Regulation: Not evaluated
Shipment approved: Not evaluated
Pollution name: Not evaluated
Pollution category: Not evaluated
Ship Type: Not evaluated

## 15. Regulatory Information

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

To avoid risks to man and the environment, comply with the instructions for use.

## 16. Other Information

Full text of classifications, hazard symbols and hazard statements, if mentioned in section 2 or 3:

Acute Tox. Acute toxicity

Aquatic Acute Hazardous to the aquatic environment - acute Hazardous to the aquatic environment - chronic

Skin Corr./Irrit. Skin corrosion/irritation

Eye Dam./Irrit. Serious eye damage/eye irritation

Skin Sens.

H302

Harmful if swallowed.

Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H318 Causes serious eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H301 Toxic if swallowed.

H314 Causes severe skin burns and eye damage. H310 + H330 Fatal in contact with skin or if inhaled

H303 May be harmful if swallowed.
EUH071 Corrosive to the respiratory tract.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

Vertical lines in the left hand margin indicate an amendment from the previous version.