

Safety Data Sheet dated 29/3/2021, version 3

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

1.1. Product identifier

Mixture identification:

Trade name: SC2 DRESSING 500ML 6PZ

Trade code: 79298

UFI: 0V90-5010-S008-RN9H

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

Recommended use: hydrophobic protective use intended for the public

1.3. Details of the supplier of the safety data sheet

Company:

FRA.BER S.R.L. Via M.Merisi 40-46 24051 Antegnate (BG)

Italy

Tel.+390363905287

Competent person responsible for the safety data sheet:

info@fra-ber.it

1.4. Emergency telephone number

Emergency telephone number of the company and/or of an authorised advisory centre:

Centro Antiveleni - Ospedale di Niguarda - Milano - phone: +390266101029

Fra-Ber s.r.l. via M.Merisi 40-46, 24051 Antegnate (BG) - Italy, phone: +390363905287 info@fra-ber.it

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

Danger, Eye Dam. 1, Causes serious eye damage.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H318 Causes serious eye damage.

Precautionary statements:

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

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor/...

Special Provisions:

None

Contains

79298/3

Page n. 1 of 12

TRIDECETH-10

Poly(dimethyl) [3-((2-aminoethyl)amino)propyl] methylsiloxane

Isotridecanol, ethoxylated

METHYLISOTHIAZOLINONE: May produce an allergic reaction.

1,2-benzisotiazol-3(2H)-one: May produce an allergic reaction.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

Product contents:

Non-ionic surfactants

< 5 %

The product also contains: Perfumes

Preservatives: 1,2-benzisotiazol-3(2H)-one, 2-Fenossietanolo

2.3. Other hazards

PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%:

< 2% CYCLOMETHICONE - Index number: 014-018-00-1, CAS: 556-67-2, EC:

209-136-7:

PBT, vPvB

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

| Qty | Name | Ident. Num | ber | Classification | Additional info |
|-----------------|---|---------------------------------|---|--|-----------------------------|
| >= 2% - < 5% | ISOPROPYL ALCOHOL | CAS: EC: REACH No.: | 67-63-0 200-661-7 01- 2119457558 -25 | ◆ 2.6/2 Flam. Liq. 2 H225 ◆ 3.3/2 Eye Irrit. 2 H319 ◆ 3.8/3 STOT SE 3 H336 | REACH n° : Polymer: N.A. |
| >= 2% - < 5% | TRIDECETH-10 | CAS: EC: | 24938-91-8 607-463-3 | ♦ 3.3/1 Eye Dam. 1 H318 4.1/C3 Aquatic Chronic 3 H412 | REACH n° : Polymer: N.A. |
| < 2% | Poly(dimethyl) [3-((2- aminoethyl) amino)propyl] methylsiloxane | CAS: | 71750-79-3 | | REACH n°: Polymer: N.A. |
| < 2% | C13-14 ALKANE | Index number: CAS: EC: | 649-422-00- 2 64742-47-8 265-149-8 | 3.10/1 Asp. Tox. 1 H304 | REACH n° : Polymer: N.A. |
| < 2% | Isotridecanol, ethoxylated | CAS: EC: REACH No.: | 69011-36-5 500-241-6 01- 2119976362 -32 | \$3.1/4/Oral Acute Tox. 4 H302 \$3.3/1 Eye Dam. 1 H318 | REACH n° : Polymer: N.A. |
| < 2% | CYCLOMETHIC | Index | 014-018-00- | ♦ 3.7/2 Repr. 2 H361f | REACH n°: |

| | ONE | number: CAS: EC: | 1 556-67-2 209-136-7 | 4.1/C4 Aquatic Chronic 4 H413 | Polymer: N.A. |
|------|--------------------------------------|--|--|---|-----------------------------|
| < 2% | METHYLISOTH IAZOLINONE | CAS: EC: | 2682-20-4 220-239-6 | ⇒ 3.1/3/Oral Acute Tox. 3 H301 ⇒ 3.3/1 Eye Dam. 1 H318 ⊕ 3.8/3 STOT SE 3 H335 ⇒ 3.1/3/Dermal Acute Tox. 3 H311 ⇒ 3.2/1B Skin Corr. 1B H314 ⊕ 3.4.2/1 Skin Sens. 1 H317 ⊕ 4.1/A1 Aquatic Acute 1 H400 Specific Concentration Limits: C >= 0,1%: Skin Sens. 1 H317 | REACH n°: Polymer: N.A. |
| < 2% | 2-metilpropan-1- olo; isobutanolo | Index number: CAS: EC: | 603-108-00- 1 78-83-1 201-148-0 | ◆ 2.6/3 Flam. Liq. 3 H226 ◆ 3.8/3 STOT SE 3 H336 ◆ 3.8/3 STOT SE 3 H335 ◆ 3.2/2 Skin Irrit. 2 H315 ◆ 3.3/1 Eye Dam. 1 H318 | REACH n° : Polymer: N.A. |
| < 2% | 1,2- benzisotiazol- 3(2H)-one | Index number: CAS: EC: REACH No.: | 613-088-00- 6 2634-33-5 220-120-9 01- 2120761540 -60 | \$\Delta\$ 3.1/4/Oral Acute Tox. 4 \$\text{H302} \$\Delta\$ 3.2/2 Skin Irrit. 2 H315 \$\Delta\$ 3.3/1 Eye Dam. 1 H318 \$\Delta\$ 3.4.2/1 Skin Sens. 1 H317 \$\Delta\$ 4.1/A1 Aquatic Acute 1 \$\text{H400 M=1}.\$ Specific Concentration Limits: C >= 0,05%: Skin Sens. 1 H317 | REACH n° : Polymer: N.A. |

SVHC, PBT, vPvB, endocrine disruptor substances:

< 2% CYCLOMETHICONE

Index number: 014-018-00-1, CAS: 556-67-2, EC: 209-136-7

PBT, vPvB, SVHC

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an opthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

79298/3

Page n. 3 of 12

Remove casualty to fresh air and keep warm and at rest.

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

None

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO2).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contamined clothing should be changed before entering eating areas.

Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

79298/3

Adequately ventilated premises.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

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8.1. Control parameters
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ISOPROPYL ALCOHOL - CAS: 67-63-0

14 - TWA(8h): 492 mg/m3, 200 ppm - STEL(15 min): 983 mg/m3, 400 ppm

ACGIH - TWA(8h): 200 ppm - STEL: 400 ppm - Notes: A4, BEI - Eye and URT irr, CNS impair

CYCLOMETHICONE - CAS: 556-67-2

EU - TWA: 10 ppm

2-metilpropan-1-olo; isobutanolo - CAS: 78-83-1

ACGIH - TWA(8h): 50 ppm - Notes: Skin and eye irr

DNEL Exposure Limit Values

ISOPROPYL ALCOHOL - CAS: 67-63-0

Worker Industry: 888 mg/kg - Consumer: 319 mg/kg - Exposure: Human Dermal -

Frequency: Long Term, systemic effects

Worker Industry: 500 mg/kg - Consumer: 89 mg/kg - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects

Consumer: 26 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

CYCLOMETHICONE - CAS: 556-67-2

Worker Professional: 73 03 - Exposure: Human Inhalation - Frequency: Short Term

(acute)

Worker Professional: 73 03 - Exposure: Human Inhalation - Frequency: Long Term,

systemic effects

Worker Professional: 73 03 - Exposure: Human Inhalation - Frequency: Long Term, local

effects

Consumer: 13 03 - Exposure: Human Inhalation - Frequency: Short Term, systemic

effects

Consumer: 13 03 - Exposure: Human Inhalation - Frequency: Short Term (acute)

Consumer: 13 03 - Exposure: Human Inhalation - Frequency: Long Term, systemic

effects

Consumer: 13 03 - Exposure: Human Inhalation - Frequency: Long Term, local effects Consumer: 3.7 04 - Exposure: Human Oral - Frequency: Short Term, systemic effects

Consumer: 3.7 04 - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

ISOPROPYL ALCOHOL - CAS: 67-63-0

Target: Fresh Water - Value: 140.9 mg/l

Target: Marine water - Value: 140.9 mg/l

Target: Microorganisms in sewage treatments - Value: 2.251 mg/l

Target: Freshwater sediments - Value: 552 mg/kg

Target: Marine water sediments - Value: 552 mg/kg

Target: Soil (agricultural) - Value: 28 mg/kg

CYCLOMETHICONE - CAS: 556-67-2

Target: Fresh Water - Value: 0.00044 mg/l

Target: Marine water - Value: 0.000044 mg/l

Target: Freshwater sediments - Value: 0.64 mg/kg Target: Marine water sediments - Value: 0.064 mg/kg

Target: Soil (agricultural) - Value: 0.13 mg/kg

Target: Purification plant - Value: 10 mg/l

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. rubber, PVC or viton. Protection for hands:

79298/3

gloves in nitrile; the min. Break-Through Time of the Gloves is: 480 min; the Glove Thickness is: 0,38 mm

Respiratory protection:

Not needed in well-ventilated areas

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Properties | Value | Method: | Notes: | | |
|---|-------------------------------|---------|--------|--|--|
| Physical state: | Liquid | | | | |
| Colour: | White | | | | |
| Odour: | characteristic | | | | |
| Melting point/freezing point: | N.A. | | | | |
| Boiling point or initial boiling point and boiling range: | N.A. | | | | |
| Flammability: | N.A. | | | | |
| Lower and upper explosion limit: | N.A. | | | | |
| Flash point: | >100 °C | | | | |
| Auto-ignition temperature: | N.A. | | | | |
| Decomposition temperature: | N.A. | | | | |
| pH: | 6.5 ± 0.5 | | | | |
| Kinematic viscosity: | N.A. | | | | |
| Solubility in water: | soluble | | | | |
| Solubility in oil: | not soluble | | | | |
| Partition coefficient n-octanol/water (log value): | N.A. | | | | |
| Vapour pressure: | N.A. | | | | |
| Density and/or relative density: | 0.99 g/cm3 +/- 0,005 g/cm3 | - | | | |
| Relative vapour density: | N.A. | | | | |
| Particle characteristics: | | | | | |

| Particle size: | N.A. | | |
|----------------|------|--|--|
|----------------|------|--|--|

9.2. Other information

No other relevant information

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 Toxicological information of the product:

SC2 DRESSING 500ML 6PZ

a) acute toxicity

Not classified

Based on available data, the classification criteria are not met

b) skin corrosion/irritation

Not classified

Based on available data, the classification criteria are not met

c) serious eye damage/irritation

The product is classified: Eye Dam. 1 H318

d) respiratory or skin sensitisation

Not classified

Based on available data, the classification criteria are not met

e) germ cell mutagenicity

Not classified

Based on available data, the classification criteria are not met

f) carcinogenicity

Not classified

Based on available data, the classification criteria are not met

g) reproductive toxicity

Not classified

Based on available data, the classification criteria are not met

h) STOT-single exposure

Not classified

Based on available data, the classification criteria are not met

i) STOT-repeated exposure

Not classified

Based on available data, the classification criteria are not met

j) aspiration hazard

Not classified

Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

ISOPROPYL ALCOHOL - CAS: 67-63-0

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a:
                  Test: LD50 - Route: Oral - Species: Rat 4710 mg/kg
                  Test: LD50 - Route: Skin - Species: Rat 12800 mg/kg
                  Test: LC50 - Route: Inhalation - Species: Rat 72.6 mg/l - Duration: 4h
            C13-14 ALKANE - CAS: 64742-47-8
                  Test: LC50 - Route: Oral - Notes: per analogia: classificato come non pericoloso
            c) serious eye damage/irritation:
                  Test: Eye Irritant - Route: Skin
            Isotridecanol, ethoxylated - CAS: 69011-36-5
            a:
                  Test: LD50 - Route: Oral - Species: Rat = 2.000 mg/kg
                  Test: LD50 - Route: Skin - Species: Rat > 2.000 mg/kg
            CYCLOMETHICONE - CAS: 556-67-2
                  Test: LD50 - Route: Oral - Species: Rat > 4.800 mg/kg
                  Test: EC54 - Route: Inhalation - Species: Rat = 2975 Ppm - Duration: 4h
                  Test: LD50 - Route: Skin - Species: Rabbit > 2.5 ml/kg
            2-metilpropan-1-olo; isobutanolo - CAS: 78-83-1
                  Test: LD50 - Route: Oral - Species: Rat 2460 mg/kg
                  Test: LD50 - Route: Skin - Species: Rabbit 2460 mg/kg
                  Test: LC50 - Route: Inhalation - Species: Rat 19.2 mg/l - Duration: 4h
      11.2. Information on other hazards
            Endocrine disrupting properties:
            No endocrine disruptor substances present in concentration >= 0.1%
SECTION 12: Ecological information
      12.1. Toxicity
            Adopt good working practices, so that the product is not released into the environment.
      SC2 DRESSING 500ML 6PZ
            Not classified for environmental hazards
            Based on available data, the classification criteria are not met
      ISOPROPYL ALCOHOL - CAS: 67-63-0
            a) Aquatic acute toxicity:
                  Endpoint: LC50 10.000 mg/l - Duration h: 96
      Isotridecanol, ethoxylated - CAS: 69011-36-5
            a) Aquatic acute toxicity:
                  Endpoint: LC50 - Species: Fish = 10 mg/l - Duration h: 96
                  Endpoint: EC50 - Species: Invertebrati acquati = 10 mg/l - Duration h: 48
                  Endpoint: EC50 - Species: Piante acquatiche = 10 mg/l - Duration h: 72
                  Endpoint: EC50 - Species: Microorganismi > 10000 mg/l - Duration h: 17
      CYCLOMETHICONE - CAS: 556-67-2
            a) Aquatic acute toxicity:
                  Endpoint: LC50 - Species: Fish > 0.0063 mg/l - Duration h: 336 - CONSID06
                  Endpoint: EC50 - Species: Daphnia > 0.0091 mg/l - Duration h: 96 - CONSID06
                  Endpoint: EC50 - Species: Algae > 0.022 mg/l - Duration h: 72 - CONSID06
                  Endpoint: NOEC - Species: Fish > 0.0044 mg/l - CONSID06
                  Endpoint: NOEC - Species: Daphnia > 0.0079 mg/l - CONSID06
      2-metilpropan-1-olo; isobutanolo - CAS: 78-83-1
            a) Aquatic acute toxicity:
                  Endpoint: LC50 - Species: Fish = 1430 mg/l - Duration h: 96
                  Endpoint: EC50 - Species: Daphnia = 1439 mg/l - Duration h: 48
      1,2-benzisotiazol-3(2H)-one - CAS: 2634-33-5
            a) Aquatic acute toxicity:
                  Endpoint: LC50 - Species: Fish = 1.6 mg/l - Duration h: 96 - Notes: OECD 203
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79298/3

Endpoint: EC50 - Species: shellfish = 3.27 mg/l - Duration h: 48 - Notes: OECD 202 Endpoint: EC50 - Species: Algae = 0.11 mg/l - Duration h: 72 - Notes: OECD 201

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish = 0.21 mg/l - Duration h: 672 - Notes: OECD 215 Endpoint: NOEC - Species: shellfish = 1.2 mg/l - Duration h: 504 - Notes: OECD 211 Endpoint: NOEC - Species: Algae = 0.04 mg/l - Duration h: 72 - Notes: OECD 201

12.2. Persistence and degradability

None

ISOPROPYL ALCOHOL - CAS: 67-63-0

Biodegradability: Readily biodegradable

1,2-benzisotiazol-3(2H)-one - CAS: 2634-33-5

Biodegradability: Readily biodegradable - Notes: 90% ZAHA-WELLENS test OECD 302 B

12.3. Bioaccumulative potential

ISOPROPYL ALCOHOL - CAS: 67-63-0

Test: Kow - Partition coefficient 0.05

1.2-benzisotiazol-3(2H)-one - CAS: 2634-33-5

Bioaccumulation: Bioaccumulative - Test: BCF - Bioconcentrantion factor 6.95 - Notes: pesce OECD 305

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

PBT Substances:

< 2% CYCLOMETHICONE - CAS: 556-67-2

vPvB Substances:

< 2% CYCLOMETHICONE - CAS: 556-67-2

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration >= 0.1%

12.7. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number or ID number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

N.Ä.

14.3. Transport hazard class(es)

N.A.

14.4. Packing group

N.A.

14.5. Environmental hazards

ADR-Enviromental Pollutant: No IMDG-Marine pollutant: No

14.6. Special precautions for user

N.A.

14.7. Maritime transport in bulk according to IMO instruments

Nc

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 2020/878

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP) Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3

Restriction 40

Restrictions related to the substances contained:

Restriction 70

Volatile Organic compounds - VOCs = 4.08 %

Volatile CMR substances = 0.00 %

Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %

Organic Carbon - C = 0.00

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

SVHC Substances:

Substances in candidate list (Art. 59 Reg. 1907/2006, REACH):

CYCLOMETHICONE

PBT, vPvB

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

None

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H361f Suspected of damaging the unborn child.

H413 May cause long lasting harmful effects to aquatic life.

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

H315 Causes skin irritation.

H304 May be fatal if swallowed and enters airways.

79298/3

Page n. 10 of 12

H302 Harmful if swallowed.

H301 Toxic if swallowed.

H335 May cause respiratory irritation.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H226 Flammable liquid and vapour.

| Hazard class and hazard category | Code | Description |
|----------------------------------|--------------|--|
| Flam. Liq. 2 | 2.6/2 | Flammable liquid, Category 2 |
| Flam. Liq. 3 | 2.6/3 | Flammable liquid, Category 3 |
| Acute Tox. 3 | 3.1/3/Dermal | Acute toxicity (dermal), Category 3 |
| Acute Tox. 3 | 3.1/3/Oral | Acute toxicity (oral), Category 3 |
| Acute Tox. 4 | 3.1/4/Oral | Acute toxicity (oral), Category 4 |
| Asp. Tox. 1 | 3.10/1 | Aspiration hazard, Category 1 |
| Skin Corr. 1B | 3.2/1B | Skin corrosion, Category 1B |
| Skin Irrit. 2 | 3.2/2 | Skin irritation, Category 2 |
| Eye Dam. 1 | 3.3/1 | Serious eye damage, Category 1 |
| Eye Irrit. 2 | 3.3/2 | Eye irritation, Category 2 |
| Skin Sens. 1 | 3.4.2/1 | Skin Sensitisation, Category 1 |
| Repr. 2 | 3.7/2 | Reproductive toxicity, Category 2 |
| STOT SE 3 | 3.8/3 | Specific target organ toxicity - single exposure, Category 3 |
| Aquatic Acute 1 | 4.1/A1 | Acute aquatic hazard, category 1 |
| Aquatic Chronic 3 | 4.1/C3 | Chronic (long term) aquatic hazard, category 3 |
| Aquatic Chronic 4 | 4.1/C4 | Chronic (long term) aquatic hazard, category 4 |

This safety data sheet has been completely updated in compliance to Regulation 2020/878. Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

| Classification according to Regulation (EC) Nr. 1272/2008 | Classification procedure |
|---|--------------------------|
| Eye Dam. 1, H318 | Calculation method |

This document was prepared by a competent person who has received appropriate training. Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR: European Agreement concerning the International Carriage of

Dangerous Goods by Road.

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

CAS: Chemical Abstracts Service (division of the American Chemical

Society).

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EINECS: European Inventory of Existing Commercial Chemical Substances.

GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labeling of

Chemicals.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport

Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization"

(ICAO).

IMDG: International Maritime Code for Dangerous Goods. INCI: International Nomenclature of Cosmetic Ingredients.

KSt: Explosion coefficient.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

PNEC: Predicted No Effect Concentration.

RID: Regulation Concerning the International Transport of Dangerous Goods

by Rail.

STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
TLV: Threshold Limiting Value.
TWA: Time-weighted average
WGK: German Water Hazard Class.