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

- 1.1. Product identifier  
Mixture identification  
Trade name: MULTIGIENIC
- 1.2. Relevant identified uses of the substance or mixture and uses advised against  
Recommended use:  
Detergent disinfectant for hard surfaces.  
Professional use (SU22) - Washing and cleaning products (PC35)  
Uses advised against:  
Different uses than recommended. Do not use in combination with other products.
- 1.3. Details of the supplier of the safety data sheet  
Manufacturer:  
SUTTER INDUSTRIES s.p.a. - Società con Unico Socio  
15060 Borghetto Borbera (AL) Italia  
Tel. +39 0143 631.1  
Competent person responsible for the safety data sheet:  
regulatory.affairs@sutter.it
- 1.4. Emergency telephone number  
+39 0143 631.1 mon-fri 9.00/17.00

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**SECTION 2: Hazards identification**

- 2.1. Classification of the substance or mixture  
EC regulation criteria 1272/2008 (CLP)  
 Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:  
No other hazards

- 2.2. Label elements  
Hazard pictograms:



Hazard statements:  
H411 Toxic to aquatic life with long lasting effects.  
Precautionary statements:  
P391 Collect spillage.  
P501 Dispose of contents/container in accordance with applicable regulations.  
Special Provisions:  
EUH210 Only for professional use. Safety data sheet available on request.

Product contents:  
non-ionic surfactants < 5 %  
The product also contains: Disinfectants  
Special provisions according to Annex XVII of REACH and subsequent amendments:  
None

- 2.3. Other hazards  
vPvB Substances: None - PBT Substances: None  
Other Hazards:  
No other hazards

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### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not Applicable, the product is a mixture.

#### 3.2. Mixtures

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

>= 5% - < 7% ETHANOL

REACH No.: 01-2119457610-43, Index number: 603-002-00-5, CAS: 64-17-5, EC: 200-578-6



2.6/2 Flam. Liq. 2 H225



3.3/2 Eye Irrit. 2 H319

>= 1% - < 3% DIPROPYLENE GLYCOL MONOMETHYL ETHER;  
(2-METHOXYMETHYLETHOXY) PROPANOL

REACH No.: 01-2119450011-60, CAS: 34590-94-8, EC: 252-104-2  
Substance with a Union workplace exposure limit.

>= 0.5% - < 1% ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE

REACH No.: 01-2119965180-41, CAS: 68391-01-5, EC: 269-919-4



3.2/1B Skin Corr. 1B H314



3.1/4/Oral Acute Tox. 4 H302



4.1/C1 Aquatic Chronic 1 H410



4.1/A1 Aquatic Acute 1 H400

>= 0.25% - < 0.5% PROPAN-2-OL

REACH No.: 01-2119457558-25, Index number: 603-117-00-0, CAS: 67-63-0, EC: 200-661-7



2.6/2 Flam. Liq. 2 H225



3.3/2 Eye Irrit. 2 H319



3.8/3 STOT SE 3 H336

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

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

In case of Inhalation:

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

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

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

Until revision date of this document, are unknown chronic effects from the mixture contact with skin, eyes, inhalation, ingestion.

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

Treatment:

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

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## **SECTION 5: Firefighting measures**

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

The mixture does not contain ingredients classified as explosive according to EC Regulation 1272/2008 (CLP).

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.

The mixture does not contain ingredients classified as explosive according to EC Regulation 1272/2008 (CLP).

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## **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. To converge the product in containment tanks.

6.4. Reference to other sections

See also section 8 and 13

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## **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.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Store away from sunlight.

Store in a cool and well ventilated place.

Do not store in open or unlabeled containers.

Keep away from food, drink and feed.

Incompatible materials:

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability. see also 1.2 and 7.2.

See section 10.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

None in particular, see paragraph 1.2

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**SECTION 8: Exposure controls/personal protection**

8.1. Control parameters

Until the revision date of this document, no experimental data are available for the mixture. Below, listed occupational exposure limits, if available, for the components listed in paragraph 3.2.

ETHANOL - CAS: 64-17-5

EU - TWA(8h): 1920 mg/m<sup>3</sup>, 1000 ppm - Notes: WEL

ACGIH - STEL: 1000 ppm - Notes: A3 - URT irr

DIPROPYLENE GLYCOL MONOMETHYL ETHER; (2-METHOXYMETHYLETHOXY)

PROPANOL - CAS: 34590-94-8

EU - TWA(8h): 308 mg/m<sup>3</sup>, 50 ppm - Notes: Skin

ACGIH - TWA(8h): 100 ppm - STEL: 150 ppm - Notes: Skin - Eye and URT irr, CNS impair

PROPAN-2-OL - CAS: 67-63-0

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

DNEL Exposure Limit Values

Until the revision date of this document, no experimental data are available for the mixture. Below, listed the DNEL exposure limits, if available, for the components listed in paragraph 3.2.

ETHANOL - CAS: 64-17-5

Worker Industry: 1900 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 950 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 343 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Notes: bw/day

DIPROPYLENE GLYCOL MONOMETHYL ETHER; (2-METHOXYMETHYLETHOXY)

PROPANOL - CAS: 34590-94-8

Worker Industry: 65 mg/kg - Consumer: 15 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 308 mg/m<sup>3</sup> - Consumer: 37.2 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 1.67 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

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Consumer: 36 mg/kg - Exposure: Human Oral - Frequency: Long Term (repeated)  
ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE - CAS: 68391-01-5  
Worker Industry: 5.7 mg/kg - Consumer: 3.4 mg/kg - Exposure: Human Dermal -  
Frequency: Long Term, systemic effects  
Worker Industry: 3.96 mg/m<sup>3</sup> - Consumer: 1.64 mg/m<sup>3</sup> - Exposure: Human Inhalation -  
Frequency: Long Term, systemic effects  
Consumer: 3.4 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

PROPAN-2-OL - 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/m<sup>3</sup> - Consumer: 89 mg/m<sup>3</sup> - Exposure: Human Inhalation -  
Frequency: Long Term, systemic effects  
Consumer: 26 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

#### PNEC Exposure Limit Values

Until the revision date of this document, no experimental data are available for the mixture. Below, listed the PNEC exposure limits, if available, for the components listed in paragraph 3.2.

ETHANOL - CAS: 64-17-5

Target: Marine water - Value: 0.79 mg/l  
Target: Fresh Water - Value: 0.96 mg/l  
Target: Marine water sediments - Value: 2.9 mg/kg  
Target: Soil (agricultural) - Value: 0.63 mg/kg  
Target: Freshwater sediments - Value: 3.6 mg/kg

DIPROPYLENE GLYCOL MONOMETHYL ETHER; (2-METHOXYMETHYLETHOXY)

PROPANOL - CAS: 34590-94-8

Target: Marine water - Value: 1.9 mg/l  
Target: Air - Value: 190 mg/l - Notes: Intermittent emissions  
Target: Microorganisms in sewage treatments - Value: 4168 mg/l  
Target: Marine water sediments - Value: 5.2 mg/kg  
Target: Freshwater sediments - Value: 52.3 mg/kg  
Target: Fresh Water - Value: 19 mg/l  
Target: Soil (agricultural) - Value: 2.74 mg/kg

ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE - CAS: 68391-01-5

Target: Marine water - Value: 0.00096 mg/l  
Target: Fresh Water - Value: 0.0009 mg/l  
Target: Microorganisms in sewage treatments - Value: 0.4 mg/l  
Target: Soil (agricultural) - Value: 7 mg/kg  
Target: Marine water sediments - Value: 13.09 mg/kg  
Target: Freshwater sediments - Value: 12.27 mg/kg  
Target: Air - Value: 0.00016 mg/l

PROPAN-2-OL - CAS: 67-63-0

Target: Microorganisms in sewage treatments - Value: 2251 mg/l  
Target: Marine water sediments - Value: 552 mg/kg  
Target: Soil (agricultural) - Value: 28 mg/kg  
Target: Marine water - Value: 140.9 mg/l

#### 8.2. Exposure controls

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Not needed for normal use.

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#### Respiratory protection:

Not needed for normal use.

#### Thermal Hazards:

The product is not flammable or explosive - see paragraph 2.1. The product contains no explosive components.

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

#### Environmental exposure controls:

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

See also section 6.2.

#### Appropriate engineering controls:

No further technical checks suitable for your product under normal conditions.

See also section 1.2, section 7 and Exposure Scenario - Annex I of this document.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| Properties                                    | Value                         | Method:              | Notes:  |
|---|-------------------------------|----------------------|---|
| Appearance and colour:                        | Clear liquid, colorless/brown | Visual               | --  |
| Odour:  | Technical                     | Olfactory            | --  |
| Odour threshold:                              | Evident                       | Olfactory            | --  |
| pH:   | < 11,4                        | Instrumental control | --  |
| Melting point / freezing point:               | Not Relevant                  | --                   | Parameter not relevant for the type of product                  |
| Initial boiling point and boiling range:      | $\geq 100$ °C                 | --                   | Estimated value on chemical / physical properties of components |
| Flash point:                                  | $> 65$ °C                     | --                   | Estimated value on chemical / physical properties of components |
| Evaporation rate:                             | Not Relevant                  | --                   | Parameter not relevant for the type of product                  |
| Solid/gas flammability:                       | Not Relevant                  | --                   | Parameter not relevant for the type of product                  |
| Upper/lower flammability or explosive limits: | Not Relevant                  | --                   | Parameter not relevant for the type of product                  |
| Vapour pressure:                              | Not Relevant                  | --                   | Parameter not relevant for the type of product                  |
| Vapour density:                               | Not Relevant                  | --                   | Parameter not relevant for the type of product                  |
| Relative density:                             | 0.999 g/ml                    | Instrumental control | --  |
| Solubility in water:                          | Total                         | --                   | Internal tests  |
| Solubility in oil:                            | Partial                       | --                   | Internal tests  |
| Partition coefficient (n-octanol/water):      | < 1000                        | --                   | Value estimated based on the solubility of the mixture.         |
| Auto-ignition temperature:                    | Not Relevant                  | --                   | Parameter not relevant for the type of product                  |
| Decomposition                                 | Not Relevant                  | --                   | Parameter not relevant for the                                  |

|                       |              |    |  |
|-----------------------|--------------|----|--|
| temperature:          |              |    | type of product                                  |
| Viscosity:            | < 10 cP      | -- | Estimated indicative value. Not viscous mixture. |
| Explosive properties: | Not Relevant | -- | Parameter not relevant for product composition.  |
| Oxidizing properties: | Not Relevant | -- | Parameter not relevant for product composition.  |

9.2. Other information

| Properties                           | Value        | Method: | Notes:   |
|--------------------------------------|--------------|---------|--|
| Miscibility:                         | Not Relevant | --      | Parameter not relevant for the type of product |
| Fat Solubility:                      | Not Relevant | --      | Parameter not relevant for the type of product |
| Conductivity:                        | Not Relevant | --      | Parameter not relevant for the type of product |
| Substance Groups relevant properties | Not Relevant | --      | Parameter not relevant for the type of product |

**SECTION 10: Stability and reactivity**

10.1. Reactivity

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

10.2. Chemical stability

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

10.3. Possibility of hazardous reactions

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

See also section 7.2.

10.4. Conditions to avoid

Different uses than recommended. Do not use in combination with other products. See also 1.2 and 7.2

10.5. Incompatible materials

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability. see also 1.2 and 7.2.

10.6. Hazardous decomposition products

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

**SECTION 11: Toxicological information**

11.1. Information on toxicological effects

Toxicological information of the product:

MULTIGIENIC

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

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- c) serious eye damage/irritation  
Not classified  
Based on available data, the classification criteria are not met
- 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:

Below are reported, if available, the toxicological information of the components listed in paragraph 3.2.

ETHANOL - CAS: 64-17-5

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 6200 mg/kg - Source: OECD401

Test: LC50 - Route: Inhalation - Species: Rat > 50 mg/m<sup>3</sup> - Source: OECD403

Test: LD50 - Route: Skin - Species: Rabbit = 20 g/kg

c) serious eye damage/irritation:

Test: Eye Irritant Positive - Source: OECD405 - Notes: Conc. >=50%

DIPROPYLENE GLYCOL MONOMETHYL ETHER; (2-METHOXYMETHYLETHOXY)

PROPANOL - CAS: 34590-94-8

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit = 9510 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 275 ppm - Duration: 7h

b) skin corrosion/irritation:

Test: Skin Irritant Negative

c) serious eye damage/irritation:

Test: Eye Irritant Negative

d) respiratory or skin sensitisation:

Test: Skin or Resp. Sensitization Negative

ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE - CAS: 68391-01-5

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 397.5 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit = 3412 mg/kg

b) skin corrosion/irritation:

Test: Skin Corrosive Positive

c) serious eye damage/irritation:

Test: Eye Corrosive Positive

PROPAN-2-OL - CAS: 67-63-0



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- a) acute toxicity:
    - Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
    - Test: LC50 - Route: Inhalation - Species: Rat > 10000 ppm - Duration: 6h
    - Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg
  - b) skin corrosion/irritation:
    - Test: Skin Irritant - Route: Skin - Species: Rabbit No - Source: OECD 404
  - c) serious eye damage/irritation:
    - Test: Eye Corrosive - Species: Rabbit Yes - Source: OECD 405
  - d) respiratory or skin sensitisation:
    - Test: Skin or Resp. Sensitization Negative
  - e) germ cell mutagenicity:
    - Test: Mutagenesis Negative
  - g) reproductive toxicity:
    - Test: NOAEL - Route: Oral - Species: Rabbit = 480 mg/kg
- ETHANOL - CAS: 64-17-5  
LD50 (RABBIT) ORAL: 6300 MG/KG  
LD50 (RAT) ORAL SINGLE DOSE: 7060 MG/KG

---

## SECTION 12: Ecological information

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment. Until the revision date of this document, are not available experimental data on the mixture. Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

#### MULTIGIENIC

The product is classified: Aquatic Chronic 2 - H411

ETHANOL - CAS: 64-17-5

#### a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae = 275 mg/l - Duration h: 72 - Notes: Chlorella vulgaris

Endpoint: LC50 - Species: Fish = 13000 mg/l - Duration h: 96 - Notes: Salmo gairdneri

Endpoint: EC50 - Species: Daphnia = 12340 mg/l - Duration h: 48 - Notes: Daphnia magna

DIPROPYLENE GLYCOL MONOMETHYL ETHER; (2-METHOXYMETHYLETHOXY) PROPANOL - CAS: 34590-94-8

#### a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96 - Notes: Poecilia reticulata

Endpoint: LC50 - Species: Daphnia = 1919 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: EC50 - Species: Algae > 969 mg/l - Duration h: 96 - Notes:

Pseudokirchneriella subcapitata

Endpoint: LC50 - Species: Daphnia > 1000 mg/l - Duration h: 96 - Notes: Crangon crangon

Endpoint: EC50 - Species: Algae = 6999 mg/l - Duration h: 72 - Notes: Skeletonema costatum

#### b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia > 0.5 mg/l - Duration h: 528 - Notes: Daphnia magna

#### c) Bacteria toxicity:

Endpoint: EC10 - Species: Microorganisms / Effect on activated sludge: = 4168 mg/l -

Duration h: 18 - Notes: Pseudomonas putida

ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE - CAS: 68391-01-5

#### a) Aquatic acute toxicity:

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Endpoint: EC50 - Species: Daphnia = 0.016 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish = 0.515 mg/l - Duration h: 96

Endpoint: NOEC - Species: Algae = 0.009 mg/l

Endpoint: IC50 - Species: Algae = 0.03 mg/l - Duration h: 72

PROPAN-2-OL - CAS: 67-63-0

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 9640 mg/l - Duration h: 48 - Notes: Pimephales promelas

Endpoint: EC50 - Species: Daphnia > 1000 mg/l - Duration h: 24 - Notes: Daphnia magna

Endpoint: EC50 - Species: Algae = 1800 mg/l - Duration h: 168 - Notes: Scenedesmus quadricauda

#### 12.2. Persistence and degradability

Until the revision date of this document, are not available experimental data on the mixture. Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

ETHANOL - CAS: 64-17-5

Biodegradability: Readily biodegradable

DIPROPYLENE GLYCOL MONOMETHYL ETHER; (2-METHOXYMETHYLETHOXY)

PROPANOL - CAS: 34590-94-8

Biodegradability: Readily biodegradable - Duration: 28 days - %: 75 - Notes: OECD 301F

ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE - CAS: 68391-01-5

Biodegradability: Readily biodegradable

The surfactant(s) contained in this preparation complies with the biodegradability criteria laid down in Regulation (EC) No 648/2004 on detergents. All supporting data are kept available to the competent authorities of the Member States and will be provided to those authorities if they so request or at the request of a detergent manufacturer.

#### 12.3. Bioaccumulative potential

Until the revision date of this document, are not available experimental data on the mixture. Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

ETHANOL - CAS: 64-17-5

Bioaccumulation: Slightly bioaccumulative - Test: Kow - Partition coefficient -0.31

DIPROPYLENE GLYCOL MONOMETHYL ETHER; (2-METHOXYMETHYLETHOXY)

PROPANOL - CAS: 34590-94-8

Bioaccumulation: Slightly bioaccumulative - Test: BCF - Bioconcentration factor - Notes: < 100

#### 12.4. Mobility in soil

Until the revision date of this document, are not available experimental data on the mixture. Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

DIPROPYLENE GLYCOL MONOMETHYL ETHER; (2-METHOXYMETHYLETHOXY)

PROPANOL - CAS: 34590-94-8

Mobility in soil: Mobile

#### 12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

#### 12.6. Other adverse effects

Until the revision date of this document, unknown adverse effects and symptoms towards the environment.

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

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Recover if possible. In so doing, comply with the local and national regulations currently in force. Do not discharge into the ground or into drains.  
See also section 6.

### SECTION 14: Transport information



- 14.1. UN number  
ADR-UN Number: 3082  
IATA-UN Number: 3082  
IMDG-UN Number: 3082
- 14.2. UN proper shipping name  
ADR-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alkyldimethylbenzylammonium chloride)  
IATA-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alkyldimethylbenzylammonium chloride)  
IMDG-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alkyldimethylbenzylammonium chloride)
- 14.3. Transport hazard class(es)  
ADR-Class: 9  
ADR - Hazard identification number: 90  
IATA-Class: 9  
IMDG-Class: 9
- 14.4. Packing group  
ADR-Packing Group: III  
IATA-Packing group: III  
IMDG-Packing group: III
- 14.5. Environmental hazards  
ADR-Environmental Pollutant: Yes  
IMDG-Marine pollutant: Marine Pollutant
- 14.6. Special precautions for user  
ADR-Subsidiary risks: -  
ADR-S.P.: 274 335 375 601  
ADR-Transport category (Tunnel restriction code): -  
IATA-Passenger Aircraft: 964  
IATA-Subsidiary risks: -  
IATA-Cargo Aircraft: 964  
IATA-S.P.: A97 A158 A197  
IATA-ERG: 9L  
IMDG-SP: 274 335 969  
IMDG-EmS: F-A , S-F  
IMDG-Subsidiary risks: -  
IMDG-Stowage and handling: Category A  
IMDG-Segregation: -
- 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

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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) 2015/830  
 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)

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

None

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)

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

Seveso III category according to Annex 1, part 1  
 Product belongs to category: E2

#### 15.2. Chemical safety assessment

No, for instructions on safe mangling you see Sections 7 and 8 and the exposure scenario - Annex I of this document.

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

Substances for which a Chemical Safety Assessment has been carried out:

None

## SECTION 16: Other information

Full text of phrases referred to in Section 3:

H225 Highly flammable liquid and vapour.  
 H319 Causes serious eye irritation.  
 H314 Causes severe skin burns and eye damage.  
 H302 Harmful if swallowed.  
 H410 Very toxic to aquatic life with long lasting effects.  
 H400 Very toxic to aquatic life.  
 H336 May cause drowsiness or dizziness.

| Hazard class and hazard category | Code       | Description  |
|----------------------------------|------------|--|
| Flam. Liq. 2                     | 2.6/2      | Flammable liquid, Category 2                                 |
| Acute Tox. 4                     | 3.1/4/Oral | Acute toxicity (oral), Category 4                            |
| Skin Corr. 1B                    | 3.2/1B     | Skin corrosion, Category 1B                                  |
| Eye Irrit. 2                     | 3.3/2      | Eye irritation, 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 1                | 4.1/C1     | Chronic (long term) aquatic hazard, category 1               |

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|                   |        |  |
|-------------------|--------|--|
| Aquatic Chronic 2 | 4.1/C2 | Chronic (long term) aquatic hazard, category 2 |
|-------------------|--------|--|

Paragraphs modified from the previous revision:

- SECTION 1: Identification of the substance/mixture and of the company/undertaking
- SECTION 2: Hazards identification
- SECTION 3: Composition/information on ingredients
- SECTION 5: Firefighting measures
- SECTION 6: Accidental release measures
- SECTION 7: Handling and storage
- SECTION 8: Exposure controls/personal protection
- SECTION 9: Physical and chemical properties
- SECTION 11: Toxicological information
- SECTION 12: Ecological information
- SECTION 14: Transport information
- SECTION 15: Regulatory information
- SECTION 16: Other information

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 |
|---|--------------------------|
| Aquatic Chronic 2, H411                                   | 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.
- CAS: Chemical Abstracts Service (division of the American Chemical Society).
- CLP: Classification, Labeling, Packaging.
- DNEL: Derived No Effect Level.
- EC0/10/20/50/100: Effective concentration, for 0/10/20/50/100 percent of test population.
- 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.



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|                   |   |
|-------------------|---|
| 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.  |
| LC0/10/20/50/100: | Lethal concentration, for 0/10/20/50/100 percent of test population.              |
| LD0/10/20/50/100: | Lethal dose, for 0/10/20/50/100 percent of test population.                       |
| NOEC:             | No Observed Effect Concentration  |
| NOAEL(R)/NOAEC:   | No Observed Adverse Effect Level(Repeated)/Concentration                          |
| OECD:             | Organisation for Economic Co-operation and Development                            |
| 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.  |

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### ANNEX I PROFESSIONAL TRIGGER PRODUCT – DETERGENT FOR HARD SURFACES

|   |   |
|---|---|
| <b>Title of exposure scenario</b>   |   |
| Detergent for general cleaning: Manual process.   |   |
| <b>Use description</b>  |   |
| Sector Use  | SU22 – Professional use   |
| Product Category  | PC35 – Washing and cleaning products (including solvent based products) |
| <b>Description of activities/process considered on exposure scenario.</b>   |   |
| If required, transfer product from canister to trigger bottle.  |   |
| Use following the use instruction as specified on the label.  |   |
| Leave on.   |   |
| Rinse, if necessary.  |   |
| <b>Frequency and duration</b>   |   |
| Use phase   | Daily, depending on room size and room dirty conditions.                |
| Relevant limit values of ingredients, if available, are stated in section 8 of the SDS.   |   |
| <b>Physical appearance and concentration</b>  |   |
| Liquid. To dilute or ready to use.  |   |
| In section 2 of the SDS of product and on the label the classification of mixture is provided.  |   |
| Mixture classification is based on ingredients classification and on chemical/physical properties stated in section 9 of the SDS of product.          |   |
| <b>Use conditions</b>   |   |
| Room temperature  |   |
| Good general ventilation at workplace is sufficient.  |   |
| <b>Protection</b>   |   |
| Avoid spray inhalation.   |   |
| See section 8 of the SDS of product to more information on PPE.   | Training of worker to use and maintenance of PPE is supposed.           |
| Don't eat or drink, don't smoke.  | Avoid contact with damaged skin.  |
| No open flame.  | Do not use in combination with other products                           |
| Wash hand after use.  |   |
| In case of accidental release: dilute with water and dry.   |   |
| See section 6 of the SDS in case of accidental release  |   |
| Follow use instruction as specified on the label or on technical sheet. Use good occupational hygiene practices as specified in section 7 on the SDS. |   |
| <b>Environmental measures</b>   |   |
| See section 6 of the SDS in case of accidental release  |   |
| See section 12 of the SDS for ecotoxicological information of mixture and dangerous ingredients.  |   |
| See section 13 of the SDS for disposal considerations.  |   |

Note:

SDS: Safety Data Sheet

PPE: Personal Protection Equipment

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