

# FIVE SUPER SANITIZZANTE

Issued on 10/18/2012 - Rel. # 5 on 01/23/2018

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In conformity to Regulation (EU) 2015/830

## SECTION1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product name : FIVE SUPER SANITIZZANTE  
Trades code : 011A290015

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

Sanitizing cleaner  
Sectors of use:  
Industrial Manufacturing (all)[SU3], Professional use[SU22]

Uses advised against  
Do not use for purposes other than those listed

### 1.3. Details of the supplier of the safety data sheet

Allegrini S.p.A.  
Vicolo Salvo d'Acquisto, 2  
24050 Grassobbio (BG) Italy  
Tel. +39 035 4242111  
e-mail: msds@allegrini.com

### 1.4. Emergency telephone number

Allegrini SpA : Tel. +39 035 4242111 Lun. - Ven. 8.00 - 17.00 GMT +1

## SECTION2. Hazards identification

### 2.1. Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:  
GHS02, GHS05, GHS07, GHS09

Hazard Class and Category Code(s):  
Org. Perox. D, Met. Corr. 1, Acute Tox. 4, Skin Corr. 1B, STOT SE 3, Aquatic Chronic 1

Hazard statement Code(s):  
H242 - Heating may cause a fire.  
H290 - May be corrosive to metals.  
H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled  
H314 - Causes severe skin burns and eye damage.  
H335 - May cause respiratory irritation.  
H410 - Very toxic to aquatic life with long lasting effects. (Acute toxicity M-factor = 1)

The product is unstable and can catch fire in contact with heat sources  
The product can be corrosive to metals

Corrosive product: causes severe skin burns and eye damage.  
If inhaled the product, causes irritations to the respiratory tract.  
The product is dangerous to the environment as it is very toxic to aquatic life with long lasting effects

### 2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):  
GHS02, GHS05, GHS07, GHS09 - Danger



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**Hazard statement Code(s):**

- H242 - Heating may cause a fire.
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- H335 - May cause respiratory irritation.
- H410 - Very toxic to aquatic life with long lasting effects. (Acute toxicity M-factor = 1)

**Supplemental Hazard statement Code(s):**

unavailable

**Precautionary statements:**
**Prevention**

- P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P234 - Keep only in original container.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.

**Response**

- P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
- P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Disposal**

- P501 - Dispose of contents/container in accordance to local regulation.

Contains: Hydrogen Peroxide, Peracetic Acid

Contains (Reg.CE 648/2004): > 15% < 30% oxygen-based bleaching agents

## 2.3. Other hazards

The substance / mixture does NOT contain substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

The utilization of this chemical agent cause the obligation of "Risks Evaluation" from employer according to dispositions of Dlgs. April 9th 2008 no. 81. Workers exposed to this chemical agent do not have to be subjected to sanitary supervision if the results of risks evaluation show that, according to typology and quantity of chemical agent and according to method and frequency of exposure to that agent, we only have "moderate risk" for health and safety of workers and that measures foreseen by the Dlgs. are sufficient to reduce the risk.

## SECTION3. Composition/information on ingredients

### 3.1 Substances

Irrilevant

### 3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements.

NOTE: SUBSTANCES MARKED WITH (\*) HAVE SPECIFIC LIMITS

| Substance             | Concentration | Classification                                                                                                                    | Index        | CAS       | EINECS    | REACH                |
|-----------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|-----------|----------------------|
| Hydrogen Peroxide (*) | > 20 <= 30%   | Ox. Liq. 1, H271;<br>Acute Tox. 4, H302;<br>Skin Corr. 1A, H314;<br>Acute Tox. 4, H332;<br>STOT SE 3, H335;<br>Aquatic Chronic 3, | 008-003-00-9 | 7722-84-1 | 231-765-0 | 01-2119485<br>845-22 |

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| Substance           | Concentration     | Classification                                                                                                                                                                                                                                                         | Index        | CAS     | EINECS    | REACH                |
|---------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------|-----------|----------------------|
|                     |                   | H412                                                                                                                                                                                                                                                                   |              |         |           |                      |
| Peracetic Acid      | $\geq 3 \leq 5\%$ | Flam. Liq. 3, H226;<br>Org. Perox. D, H242;<br>Acute Tox. 3, H301;<br>Acute Tox. 4, H312;<br>Skin Corr. 1A, H314;<br>Eye Dam. 1, H318;<br>Acute Tox. 3, H331;<br>STOT SE 3, H335;<br>Aquatic Acute 1, H400; Aquatic Chronic 1, H410<br>Chronic toxicity M-factor = 100 | 607-094-00-8 | 79-21-0 | 201-186-8 | 01-2119531<br>330-56 |
| Acetic acid 80% (*) | $> 1 \leq 5\%$    | Skin Corr. 1B, H314                                                                                                                                                                                                                                                    | 607-002-00-6 | 64-19-7 | 200-580-7 | 01-2119475<br>328-30 |

## SECTION 4. First aid measures

### 4.1. Description of first aid measures

Inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated room.  
CALL A PHYSICIAN.

If breathing has stopped, give artificial respiration.

Direct contact with skin (of the pure product):

Take contaminated clothing immediately off.  
In case of contact with skin, wash immediately with water.  
Consult a physician immediately

Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately  
Do not use eye drops or ointments of any kind before the examination or advice from an oculist.

Ingestion:

Give liquid paraffin mineral product, do not give milk or animal / vegetal fat in general.  
The product is harmful and can cause irreversible damages even following a single exposure if swallowed.  
Drink water with egg white; do not give bicarbonate.  
Absolutely do not induce vomiting or emesis. Seek for medical advice immediately.

### 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

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

## SECTION 5. Firefighting measures

### 5.1. Extinguishing media

Advised extinguishing agents:

Water spray, CO<sub>2</sub>, foam, dry chemical, depending on the materials involved in the fire.

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Extinguishing means to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

## 5.2. Special hazards arising from the substance or mixture

No data available.

## 5.3. Advice for firefighters

Use protection for the breathing apparatus

Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray

## SECTION6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:

Leave the area surrounding the spill or release. Do not smoke

6.1.2 For emergency responders:

Wear mask, gloves and protective clothing.

Eliminate all unattended flames and possible sources of ignition. Do not smoke.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

### 6.2. Environmental precautions

Contain spill with earth or sand.

If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the authorities.

Discharge the remains in compliance with the regulations

### 6.3. Methods and material for containment and cleaning up

6.3.1 For containment:

Rapidly recover the product, wear a mask and protective clothing

Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material.

Prevent it from entering the sewer system.

6.3.2 For cleaning up:

After wiping up, wash with water the area and materials involved

6.3.3 Other information:

None in particular.

### 6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

## SECTION7. Handling and storage

### 7.1. Precautions for safe handling

Avoid contact and inhalation of vapors.

Do not eat, drink or smoke when using this product.

See also paragraph 8 below.

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## 7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabeled containers.  
Keep containers upright and safe by avoiding the possibility of falls or collisions.  
Keep away from open flames, sparks and heat sources. Avoid direct sunlight exposure.  
Do not pour the product into other containers. Always use its original container.

## 7.3. Specific end use(s)

Industrial Manufacturing (all):  
Handle with care. Store in a cool place, away from sources of heat.

Professional use:  
Handle with care. Store in a cool place, away from sources of heat. Keep in original container closed tightly.

## SECTION 8. Exposure controls/personal protection

### 8.1. Control parameters

Related to contained substances:

Hydrogen Peroxide (\*):  
TWA (EC) (8h) : 1 ppm  
DNEL  
Local effects Long term Workers inhalation = 1,4  
Local effects Long term Consumers inhalation = 0,21 (mg/m3)  
Local effects Short term Workers inhalation = 3 (mg/m3)  
Local effects Short term Consumers inhalation = 1,93 (mg/m3)  
PNEC  
Sweet water = 0,01 (mg/l)  
sediment Sweet water = 0,04 (mg/kg/sediment)  
Sea water = 0,01 (mg/l)  
sediment Sea water = 0,04 (mg/kg/sediment)  
intermittent emissions = 0,01 (mg/l)  
STP = 4,66 (mg/l)

Acetic acid 80% (\*):  
TLV/TWA: 10 ppm (ACGIH 2016)  
TLV/STEL: 15 ppm (ACGIH 2016)  
DNEL  
Systemic effects Long term Workers inhalation = 25 (mg/m3)  
Systemic effects Long term Consumers inhalation = 25 (mg/m3)  
Systemic effects Short term Workers inhalation = 25 (mg/m3)  
Systemic effects Short term Consumers inhalation = 25 (mg/m3)  
PNEC  
Sweet water = 3,058 (mg/l)  
sediment Sweet water = 11,36 (mg/kg/sediment)  
Sea water = 0,3058 (mg/l)  
sediment Sea water = 1,136 (mg/kg/sediment)  
intermittent emissions = 30,58 (mg/l)  
STP = 85 (mg/l)  
ground = 0,47 (mg/kg ground)

### 8.2. Exposure controls

Appropriate engineering controls:  
Industrial Manufacturing (all):  
No foreseen control.



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Professional use:  
No foreseen control.

Individual protection measures:

(a) Eye / face protection  
Wear mask

(b) Skin protection

(i) Hands protection  
When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3)

(ii) Other  
When handling the pure product wear full protective skin clothing.

(c) Respiratory protection  
Use adequate protective respiratory equipment (EN 141)

(d) Thermal hazards  
No hazard to report

Environmental exposure controls:  
Related to contained substances:

Hydrogen Peroxide (\*):  
Do NOT let this chemical enter the environment.

Peracetic Acid:  
Do NOT dispose of in sewers. Do NOT let this chemical enter the environment.

## SECTION9. Physical and chemical properties

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

| Physical and chemical properties             | Value                    | Determination method |
|----------------------------------------------|--------------------------|----------------------|
| Appearance                                   | clear liquid             |                      |
| Odour                                        | characteristic pungent   |                      |
| Odour threshold                              | not determined           |                      |
| pH                                           | < 1                      |                      |
| Melting point/freezing point                 | approx. -28 °C           |                      |
| Initial boiling point and boiling range      | > 60 °C                  |                      |
| Flash point                                  | not measurable (foaming) | ASTM D92             |
| Evaporation rate                             | irrelevant               |                      |
| Flammability (solid, gas)                    | undefined                |                      |
| Upper/lower flammability or explosive limits | undefined                |                      |
| Vapour pressure                              | approx. 27 hPa (20°C)    |                      |
| Vapour density                               | not determined           |                      |
| Relative density                             | 1.120 g/ml               |                      |
| Solubility                                   | in water                 |                      |
| Water solubility                             | complete                 |                      |

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| Physical and chemical properties       | Value          | Determination method |
|----------------------------------------|----------------|----------------------|
| Partition coefficient: n-octanol/water | - 1.25         |                      |
| Auto-ignition temperature              | 395 °C         |                      |
| Decomposition temperature              | not determined |                      |
| Viscosity                              | not determined |                      |
| Explosive properties                   | not determined |                      |
| Oxidising properties                   | oxydant        |                      |

## 9.2. Other information

No data available.

## SECTION 10. Stability and reactivity

### 10.1. Reactivity

Related to contained substances:

Hydrogen Peroxide (\*):  
Can cause dangerous reactions.

### 10.2. Chemical stability

The product is stable.

### 10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

### 10.4. Conditions to avoid

Nothing to report

### 10.5. Incompatible materials

Impurities, catalysts, alkalis, reducing agents, flammable substances.

### 10.6. Hazardous decomposition products

It does not decompose when used for intended uses.

## SECTION 11. Toxicological information

### 11.1. Information on toxicological effects

ATE(mix) oral = n.d.  
ATE(mix) dermal = n.d.  
ATE(mix) inhal = n.d.

- (a) acute toxicity: based on available data, the classification criteria are not satisfied.
- (b) skin corrosion/irritation: Corrosive product: causes severe skin burns and eye damage.
- (c) serious eye damage/irritation: Corrosive product: causes severe skin burns and eye damage.
- (d) respiratory or skin sensitization: based on available data, the classification criteria are not satisfied.
- (e) germ cell mutagenicity: based on available data, the classification criteria are not satisfied.

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- (f) carcinogenicity: based on available data, the classification criteria are not satisfied.
- (g) reproductive toxicity: Peracetic Acid: NOAEL oral (rat): 12,5 mg/kg (100%) (14d) (OECD TG 414)
- (h) specific target organ toxicity (STOT) single exposure: If inhaled the product, causes irritations to the respiratory tract.
- (i) specific target organ toxicity (STOT) repeated exposure: Peracetic Acid: NOAEL oral (rat): 1,17 mg/kg (10%) (92-93d) (OCSE 408)
- (j) aspiration hazard: based on available data, the classification criteria are not satisfied.

Related to contained substances:

Hydrogen Peroxide (\*):

LD50 (rat) Oral (mg/kg body weight) = 1193

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2000

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 170

Peracetic Acid:

LD50 oral (rat): 50-500 mg/kg (35%) (OECD TG 401)

CL50 inhalation (rat): 4,08 mg/l (4h) (5%) (US-EPA)

LD50 dermal (rat): 1147 mg/kg (5%) (US-EPA)

LD50 dermal (rat): 1957 mg/kg (12%) (US-EPA)

Acetic acid 80% (\*):

LC50 Inhalation (rat) (mg/kg) : > 16000 ppm (4h)

LD50 (rat) Oral (mg/kg body weight) = 3530

## SECTION 12. Ecological information

### 12.1. Toxicity

Related to contained substances:

Hydrogen Peroxide (\*):

LC50 (fish) : 16.4 mg/l (96h)

LC50 (daphnia) : 2.4 mg/l (48h)

EC50 (algae) : 1.38 mg/l (72h)

EC50 (microorganisms) : > 1000 mg/l (3h)

Peracetic Acid:

CL50 (fish): 0.53 mg/l (96h)

NOEC (fish): 0.00094 mg/l (33d)

CE50 (daphnia): 0.73 mg/l (48h)

NOEC (daphnia): 0.05 mg/l (21d)

CE50 (algae): 0.16 mg/l (72h)

NOEC (algae): 0.061 mg/l (72h)

CE50 (microorganisms): 38.6 mg/l (3h)

Chronic toxicity M-factor = 100

Acetic acid 80% (\*):

LC50 (fish): > 300.82 mg/l (96h)

EC50 (daphnia): > 300.82 mg/l (48h)

EC50 (algae): > 300.82 mg/l (72h)

The product is dangerous for the environment as it is very toxic to aquatic organisms following acute exposure.

Use according to good working practices to avoid pollution into the environment.

### 12.2. Persistence and degradability

Related to contained substances:

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Hydrogen Peroxide (\*):  
Biodegradability: >99% (30min) (OECD 209)

Peracetic Acid:  
Biodegradability: 98% (28d) (PAA 40%) (OECD TG 301 E)  
Ready biodegradable.

Acetic acid 80% (\*):  
Biodegradability: 96% (20d) (BOD)  
Readily biodegradable.

## 12.3. Bioaccumulative potential

No data available.

## 12.4. Mobility in soil

No data available.

## 12.5. Results of PBT and vPvB assessment

The substance / mixture does NOT contain substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

## 12.6. Other adverse effects

No adverse effects

Regulation (EC) No 2006/907 - 2004/648

Surfactants contained in this formula are in compliance with biodegradability parameters established by regulation EC 648/2004 related to detergents.

All supporting information are on hand of authorities of member countries and will be supplied to above mentioned authorities according to their explicit request or following producer's request.

## SECTION13. Disposal considerations

### 13.1. Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies.

Recover if possible. Send to authorized discharge plants or for incineration under controlled conditions. Operate according to local and National rules in force

## SECTION14. Transport information

### 14.1. UN number

ADR/RID/IMDG/ICAO-IATA: 3149

If subject to the following characteristics is ADR exempt:

Combination packagings: per inner packaging 1 L per package 30 Kg

Inner packagings placed in shrink-wrapped or stretch-wrapped trays: per inner packaging 1 L per package 20 Kg



### 14.2. UN proper shipping name

ADR/RID/IMDG: PEROSSIDO DI IDROGENO E ACIDO PEROSSIACETICO IN MISCELA, STABILIZZATA  
ICAO-IATA: HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE, STABILIZED

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## 14.3. Transport hazard class(es)

ADR/RID/IMDG/ICAO-IATA: Class : 5.1  
 ADR/RID/IMDG/ICAO-IATA: Label : 5.1+8+Ambiente  
 ADR: Tunnel restriction code : E  
 ADR/RID/IMDG/ICAO-IATA: Limited quantities : 1 L  
 IMDG - EmS : F-H, S-Q

## 14.4. Packing group

ADR/RID/IMDG/ICAO-IATA: II

## 14.5. Environmental hazards

ADR/RID/ICAO-IATA: Product is environmentally hazardous  
 IMDG: Marine polluting agent : Yes

## 14.6. Special precautions for user

Transport must be executed through vehicles authorized for transport of dangerous goods, according to regulations of current edition of agreement A.D.R. and to national dispositions applicable.

Transport must be done in original packaging and, however, they must be made of materials unassailable by the content and not able to create dangerous reactions. Staff assigned to loading and unloading of dangerous goods must be well educated to hazards of the product and procedures to be adopted in case of emergency situation.

## 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

It is not intended to carry bulk

## SECTION 15. Regulatory information

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

D.Lgs. 3/2/1997 n. 52 (Classification, packaging and labelling of dangerous substances). D.Lgs 14/3/2003 n. 65 (Classification, packaging and labelling of dangerous preparations). D.Lgs. 2/2/2002 n. 25 (Risks derived from chemical agents during work). D.M. Labour 26/02/2004 (Limits for professional exposure). D.M. 03/04/2007 (Fulfillment of EU regulation 2006/8). EU Regulation n. 1907/2006 (REACH), Regulation (CE) n. 1272/2008 (CLP). Regulation (CE) n.790/2009.D.Lgs. 21/09/2005 n. 238 (Direttiva Seveso Ter). Seveso category: P6b - SELF-REACTIVE SUBSTANCES AND MIXTURES and ORGANIC PEROXIDES; E1 - ENVIRONMENTAL HAZARDS  
 REGULATION (EU) No 1357/2014 - waste:  
 HP4 - Irritant — skin irritation and eye damage  
 HP14 - Ecotoxic

### 15.2. Chemical safety assessment

No chemical safety assessment was carried out by the supplier

## SECTION 16. Other information

### 16.1. Other information

Points modified compared to previous release: 1.2. Relevant identified uses of the substance or mixture and uses advised against, 1.4. Emergency telephone number, 2.1. Classification of the substance or mixture, 2.2. Label elements, 2.3. Other hazards, 3.1 Substances, 3.2 Mixtures, 4.1. Description of first aid measures, 4.2. Most important symptoms and effects, both acute and delayed, 4.3. Indication of any immediate medical attention and special treatment needed, 5.2. Special hazards arising from the substance or mixture, 5.3. Advice for firefighters, 6.1. Personal precautions, protective equipment and emergency procedures, 6.2. Environmental precautions, 6.3. Methods and material for containment and cleaning up, 6.4. Reference to other sections, 7.1. Precautions for safe handling, 7.2. Conditions for safe storage, including any incompatibilities, 8.1. Control parameters, 8.2. Exposure controls, 9.2. Other

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information, 10.1. Reactivity, 10.2. Chemical stability, 10.3. Possibility of hazardous reactions, 10.4. Conditions to avoid, 10.5. Incompatible materials, 10.6. Hazardous decomposition products, 11.1. Information on toxicological effects, 12.1. Toxicity, 12.2. Persistence and degradability, 12.3. Bioaccumulative potential, 12.4. Mobility in soil, 12.5. Results of PBT and vPvB assessment, 12.6. Other adverse effects, 13.1. Waste treatment methods, 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, 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code, 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture, 15.2. Chemical safety assessment

## Description of the hazard statements exposed to point 3

H271 = May cause fire or explosion; strong oxidiser.

H302 = Harmful if swallowed.

H314 = Causes severe skin burns and eye damage.

H332 = Harmful if inhaled.

H335 = May cause respiratory irritation.

H412 = Harmful to aquatic life with long lasting effects.

H226 = Flammable liquid and vapour.

H242 = Heating may cause a fire.

H301 = Toxic if swallowed.

H312 = Harmful in contact with skin.

H318 = Causes serious eye damage.

H331 = Toxic if inhaled.

H400 = Very toxic to aquatic life.

H410 = Very toxic to aquatic life with long lasting effects.

## Classification based on data of all mixture components

### Main regulatory references:

EC Regulation 1907/2006 of the European Parliament (REACH) and subsequent updates

EC Regulation 1272/2008 of the European Parliament (CLP) and subsequent updates

EC Regulation 830/2015 of the European Parliament and subsequent updates

EC Regulation 648/2004 of the European Parliament and subsequent updates

The data contained in the present Safety Information Sheet is based on our current knowledge and provides information regarding the safe management and handling of the product. The present document is not a Certificate of Analysis, nor a technical information sheet, nor does it constitute an agreement regarding the specifications of the product.

\*\*\*This data sheet annuls and substitutes each previous version.