

**SAFETY DATA SHEET**  
**According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH**

PAINT  
cod.97010-97020  
Revision: 4.1/ EN

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

### 1.1. Product identifier

Mixture identification:

|             |                     |
|-------------|---------------------|
| Trade name: | PAINT               |
| Trade code: | 97010-97020         |
| UFI         | V300-F04T-Y00R-A126 |

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

Solvent based marker

This product is not recommended for all those uses not specifically identified on the label.

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

|         |  |
|---------|--|
| Company | : Saratoga Int. Sforza Spa<br>Via Edison 76<br>20090 Trezzano s/Naviglio (MI)<br>Tel. +039 02.445731 Fax +039 02.4452742 |
|---------|--|

|  |                              |
|--|------------------------------|
| E-mail address of person responsible for the SDS | : trading@saratogasforza.com |
|--|------------------------------|

### 1.4 Emergency telephone number

CAV - Ospedale Pediatrico "Bambino Gesù" - Roma - Tel. +39 06 68593726 (h24)  
CAV - Azienda Ospedaliero-Universitaria Foggia - Foggia - Tel. +39 0881 732326 (h24)  
CAV - Azienda Ospedaliera "A. Cardarelli" - Napoli - Tel. +39 081 7472870 (h24)  
CAV - Policlinico "Umberto I" - Roma - Tel. +39 06 4450618 (h24)  
CAV - Policlinico "A. Gemelli" - Roma - Tel. +39 06 3054343 (h24)  
CAV - Azienda Ospedaliera "Careggi" U.O. Tossicologia Medica - Firenze - Tel. +39 055 7947819(h24)  
CAV - Centro Nazionale di Informazione Tossicologica - Pavia - Tel. +39 0382 24444 (h24)  
CAV - Ospedale "Niguarda Ca' Granda" - Milano - Tel. +39 02 66101029 (h24)  
CAV - Azienda Ospedaliera "Papa Giovanni XXIII" - Bergamo - Tel. +39 800 883300 (h24)  
CAV - Azienda Ospedaliera Integrata Verona - Verona - Tel. +39 800 011858 (h24)

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## **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)



Danger, Flam. Liq. 2, Highly flammable liquid and vapour.



Warning, Skin Irrit. 2, Causes skin irritation.



Warning, Eye Irrit. 2, Causes serious eye irritation.



Warning, STOT SE 3, May cause respiratory irritation.



Warning, STOT RE 2, May cause damage to organs through prolonged or repeated exposure.

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Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements:

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

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261 Avoid breathing vapours.

P302+P352 IF ON SKIN: Wash with plenty of water and soap.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

P312 Call a POISON CENTER/doctor if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/attention.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with applicable regulations.

*The hazard and precautionary statements are not all present on the packaging, being the content of 6,5ml and 4,5ml (<125 ml).*

Special Provisions:

PACK2 The packing must have tactile indications of danger for blind people.

Contains

reaction mass of ethylbenzene and xylene

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

Restricted to professional users.

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration  $\geq 0.1\%$

Other Hazards:

No other hazards

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









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## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

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

| Qty               | Name  | Ident. Number  | Classification   |
|-------------------|---|--|--|
| >= 40% -<br>< 50% | reaction mass of ethylbenzene and xylene  | EC: 905-588-0<br>REACH: 01-2119539<br>452-40-xxxx              |  2.6/3 Flam. Liq. 3 H226<br> 3.1/4/Dermal Acute Tox. 4 H312<br> 3.1/4/Inhal Acute Tox. 4 H332*<br> 3.10/1 Asp. Tox. 1 H304<br> 3.2/2 Skin Irrit. 2 H315<br> 3.3/2 Eye Irrit. 2 H319<br> 3.8/3 STOT SE 3 H335<br> 3.9/2 STOT RE 2 H373 |
| >= 15% -<br>< 20% | Ethylcyclohexane  | CAS: 1678-91-7<br>EC: 216-835-0                                |  2.6/2 Flam. Liq. 2 H225<br> 3.10/1 Asp. Tox. 1 H304<br> 3.8/3 STOT SE 3 H336   |
| >= 15% -<br>< 20% | Naphtha (petroleum), light alkylate; Low boiling point modified naphtha; [A complex combination of hydrocarbons produced by distillation of the reaction products of isobutane with monoolefinic hydrocarbons usually ranging in carbon numbers from C3 through C5. It consists of predominantly branched chain saturated hydrocarbons having carbon numbers predominantly in the range of C7 through C10 and boiling in the range of approximately 90 oC to 160 oC (194oF to 320 oF).] | Index number: 649-276-00-X<br>CAS: 64741-66-8<br>EC: 265-068-8 |  3.10/1 Asp. Tox. 1 H304  |

\* see section 11. Each component of EC 905-588-0 < 25%

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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

None

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

Treatment:

None

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## **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

Suitable extinguishing media:

Water.

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

In case of fire: Use ... to extinguish.

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.

Hazardous combustion products:

### 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.

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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.

### 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.

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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:

Contaminated 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:

Adequately ventilated premises.

Packaging materials:

7.3. Specific end use(s)

None in particular

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## SECTION 8: Exposure controls/personal protection

8.1. Control parameters

xylene - CAS: 1330-20-7 (mixture of isomers): risk analysis leaded by Xilene also for EC 905-588-0

- OEL Type: EPY\_TLV-ACGIH - TWA: 434 mg/m<sup>3</sup>, 100 ppm - STEL: 651 mg/m<sup>3</sup>, 150 ppm

- OEL Type: EPY\_OEL - TWA: 221 mg/m<sup>3</sup>, 50 ppm - STEL: 442 mg/m<sup>3</sup>, 100 ppm

- OEL Type: EPY\_TLV - TWA: 50 mg/m<sup>3</sup> - STEL: 100 mg/m<sup>3</sup>

- OEL Type: EU - TWA(8h): 221 mg/m<sup>3</sup>, 50 ppm - STEL: 442 mg/m<sup>3</sup>, 100 ppm -

Notes: Skin

- OEL Type: ACGIH - TWA(8h): 100 ppm - STEL: 150 ppm - Notes: A4, BEI - URT and eye irr, CNS impair

ethylbenzene Threshold Limit Value

Type VLEP Country ITA TWA/8h 442 mg/m<sup>3</sup> 100ppm STEL/15min 884 mg/m<sup>3</sup> 200ppm

Remarks / Observations SKIN

DNEL Exposure Limit Values

xylene - CAS: 1330-20-7 (mixture of isomers): risk analysis leaded by Xilene also for EC 905-588-0

Consumer: 260 mg/m<sup>3</sup> - Esposizione: Inalazione Umana - Frequenza: Breve termine, effetti sistemici (relative hazard potential <1: 49.9/260=0.19)

Consumer: 108 mg/kg bw/d - Esposizione: Cutanea Umana - Frequenza: Lungo termine, effetti sistemici

Consumer: 65.3 mg/m<sup>3</sup> (xylene) - Esposizione: Inalazione Umana - Frequenza: Lungo termine, effetti sistemici (relative hazard potential <1: 49.9/65.3=0.76)

Consumer: 14.8 mg/m<sup>3</sup> (etilbenzene) - Esposizione: Inalazione Umana - Frequenza: Lungo termine, effetti sistemici (relative hazard potential: 49.9/14.8=3.37) Consumatore: 1.6 mg/kg bw/d - Esposizione: Inalazione Umana - Frequenza: Lungo termine, effetti sistemici

Worker Professional: 221 mg/m<sup>3</sup> - Esposizione: Inalazione Umana - Frequenza: Breve termine, effetti sistemici (relative hazard potential <1: 49.9/221=0.23)

Worker Professional: 180 mg/kg bw/d - Esposizione: Cutanea Umana - Frequenza: Lungo termine, effetti sistemici

Worker Professional 77 mg/m<sup>3</sup> (etilbenzene) - Esposizione: Inalazione Umana - Frequenza: Lungo termine, effetti sistemici (relative hazard potential <1: 49.9/77=0.65)

PNEC Exposure Limit Values

xylene - CAS: 1330-20-7 (mixture of isomers): risk analysis leaded by Xilene also for EC 905-588-0

Target: Acqua dolce - Valore: 0.32 mg/l

Target: Acqua di mare - Valore: 0.32 mg/l

Target: Microorganismi nel trattamento delle acque reflue - Valore: 6.58 mg/kg

Target: Rilasci saltuari - Valore: 0.32 mg/l

Target: Sedimenti d'acqua dolce - Valore: 12.46 mg/kg

Target: Sedimenti d'acqua di mare - Valore: 12.46 mg/kg

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## 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.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

Not needed for normal use

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 *                           | --      | * content in the marker      |
| Colour:   | Various                            | --      | --                           |
| Odour:  | Solvent                            | --      | aromatic, characteristic     |
| Melting point/freezing point:                             | N.A.                               | --      | --                           |
| Boiling point or initial boiling point and boiling range: | N.A.                               | --      | --                           |
| Flammability:   | Flam. Liq. 2, H225                 | --      | +15 °C                       |
| Lower and upper explosion limit:                          | N.A.                               | --      | --                           |
| Flash point:  | N.A.                               | --      | --                           |
| Auto-ignition temperature:                                | N.A.                               | --      | --                           |
| Decomposition temperature:                                | N.A.                               | --      | Mixture is not self-reactive |
| pH:   | N.A.                               | --      | solvent based mixture        |
| Kinematic viscosity:                                      | > 20,5 mm <sup>2</sup> /s (+40 °C) | --      | Not H304 classified          |
| Solubility in water:                                      | Insoluble                          | --      | --                           |
| Solubility in oil:  | N.A.                               | --      | --                           |
| Partition coefficient n-octanol/water (log value):        | N.A.                               | --      | product is a mixture         |
| Vapour pressure:  | N.A.                               | --      | --                           |
| Density and/or relative density:                          | N.A.                               | --      | --                           |
| Relative vapour density:                                  | N.A.                               | --      | --                           |
| Particle characteristics:                                 |                                    |         |                              |
| Particle size:  | N.A.                               | --      | product is not a solid       |

### 9.2. Other information

VOC (Direttiva 2010/75/CE) : 48,00 % - 494,40 g/litro.  
VOC (carbonio volatile) : 43,40 % - 447,04 g/litro.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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- 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. Avoid accumulating electrostatic charge.  
Vapours can form explosive mixtures with air.
- 10.5. Incompatible materials  
Avoid contact with combustible materials. The product could catch fire.
- 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:

#### PAINT

##### a) acute toxicity

LC50 (Inalazione - vapori) della miscela (metodo di calcolo): ATE mix > 20 mg/l (41,49 mg/l: non classificato: Inhal. Acute Tox. 4 H332)

LC50 (Inalazione - nebbie / polveri) della miscela: Non classificato (nessun componente rilevante).

LD50 (Orale) della miscela: Non classificato (nessun componente rilevante).

LD50 (Cutanea) della miscela: >2000 mg/kg (Non classificato Dermal Acute Tox. 4 H312)

XILENE (MISCELA DI ISOMERI) caratterizzazione del rischio guidata da xilene anche per EC 905-588-0

LD50 (Orale): 3523 mg/kg Rat

LD50 (Cutanea): 4350 mg/kg Rabbit

LC50 (Inalazione): 26 mg/l/4h Rat

#### ETILBENZENE

LD50 (Orale): 3500 mg/kg Rat

LD50 (Cutanea): 15354 mg/kg Rabbit

LC50 (Inalazione): 17,2 mg/l/4h Rat

##### b) skin corrosion/irritation

The product is classified: Skin Irrit. 2 H315 c)

##### serious eye damage/irritation

The product is classified: Eye Irrit. 2 H319 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

The product is classified: STOT SE 3 H335

##### i) STOT-repeated exposure

The product is classified: STOT RE 2 H373

##### j) aspiration hazard

Not classified (viscosity > 20,5 mm<sup>2</sup>/s at +40 °C)

Based on available data, the classification criteria are not met  
Toxicological information of the main substances found in the product:

xylene - CAS: 1330-20-7 a)

acute toxicity:

Test: LD50 - Route: EPY\_DERMAL 4350 - Notes: Rabbit Test:

LC50 - Route: EPY\_INHALATION 26 - Notes: Rat Test: LD50 -

Route: EPY\_ORAL 3523 - Notes: Rat

### 11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration >= 0.1%

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## SECTION 12: Ecological information

- 12.1. Toxicity  
Adopt good working practices, so that the product is not released into the environment.  
PAINT  
Not classified for environmental hazards  
Based on available data, the classification criteria are not met 12.2.
- Persistence and degradability  
XILENE (MISCELA DI ISOMERI)  
Solubilità in acqua. 100 - 1000 mg/l  
Biodegradabilità: Dato non Disponibile.  
ETILBENZENE  
Solubilità in acqua. 1000 - 10000 mg/l  
Rapidamente Biodegradabile.
- 12.3. Bioaccumulative potential  
XILENE (MISCELA DI ISOMERI)  
Coefficiente di ripartizione: n-ottanolo/acqua. 3,12  
ETILBENZENE  
Coefficiente di ripartizione: n-ottanolo/acqua. 3,6
- 12.4. Mobility in soil  
XILENE (MISCELA DI ISOMERI)  
Coefficiente di ripartizione: suolo/acqua. 2,73
- 12.5. Results of PBT and vPvB assessment  
vPvB Substances: None - PBT Substances: None
- 12.6. Endocrine disrupting properties  
No endocrine disruptor substances present in concentration  $\geq 0.1\%$
- 12.7. Other adverse effects  
None

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## SECTION 13: Disposal considerations

- 13.1. Waste treatment methods  
Recover if possible. In so doing, comply with the local and national regulations currently in force.

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## SECTION 14: Transport information



- 14.1. UN number or ID number  
ADR-UN Number: 1263  
IATA-UN Number: 1263  
IMDG-UN Number: 1263
- 14.2. UN proper shipping name  
ADR-Shipping Name: PITTURE  
IATA-Shipping Name: PITTURE  
IMDG-Shipping Name: PITTURE
- 14.3. Transport hazard class(es)  
ADR-Class: 3  
ADR - Numero di identificazione del pericolo: 33  
IATA-Class: 3  
IATA-Label: 3  
IMDG-Class: 3
- 14.4. Packing group  
ADR-Packing Group: II  
IATA-Packing group: II  
IMDG-Packing group: II



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- 14.5. Environmental hazards  
ADR-Inquinante ambientale: No  
IMDG-Marine pollutant: No  
IMDG-EMS: F-E , S-E
- 14.6. Special precautions for user  
ADR-Subsidiary hazards: -  
ADR-S.P.: 163 367 640C 650  
ADR-Categoria di trasporto (Codice di restrizione in galleria): 2 (D/E)  
IATA-Passenger Aircraft: 353  
IATA-Subsidiary hazards: -  
IATA-Cargo Aircraft: 364  
IATA-S.P.: A3 A72 A192  
IATA-ERG: 3L  
IMDG-Subsidiary hazards: -  
IMDG-Stowage and handling: Category B  
IMDG-Segregation: -
- 14.7. Maritime transport in bulk according to IMO instruments  
N.A.

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## 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)  
Regulation (EU) n. 2020/217 (ATP 14 CLP)  
Regulation (EU) n. 2020/1182 (ATP 15 CLP)  
Regulation (EU) n. 2021/643 (ATP 16 CLP)  
Regulation (EU) n. 2021/849 (ATP 17 CLP)  
Regulation (EU) n. 2022/692 (ATP 18 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

Restrictions related to the substances contained:

Restriction 75

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: P5c

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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:

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H225 Highly flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

| 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. 4                     | 3.1/4/Dermal | Acute toxicity (dermal), Category 4                            |
| Acute Tox. 4                     | 3.1/4/Inhal  | Acute toxicity (inhalation), Category 4                        |
| Asp. Tox. 1                      | 3.10/1       | Aspiration hazard, Category 1                                  |
| Skin Irrit. 2                    | 3.2/2        | Skin irritation, Category 2                                    |
| Eye Irrit. 2                     | 3.3/2        | Eye irritation, Category 2                                     |
| STOT SE 3                        | 3.8/3        | Specific target organ toxicity - single exposure, Category 3   |
| STOT RE 2                        | 3.9/2        | Specific target organ toxicity - repeated exposure, Category 2 |

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 |
|---|--------------------------|
| Flam. Liq. 2, H225  | On basis of test data    |
| Skin Irrit. 2, H315                                       | Calculation method       |
| Eye Irrit. 2, H319  | Calculation method       |
| STOT SE 3, H335   | Calculation method       |
| STOT RE 2, H373   | Calculation method       |

**METODO DI CALCOLO**

Per Sezione 8: Relative hazard potential: max% / DNEL mix

Per Sezione 11:  $100 / ATE_{mix} = \sum \text{conc.ingr.} / ATE_{ingr}$

**SAFETY DATA SHEET**  
**According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH**

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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.                                      |
| 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.   |