# 3702 - IA3702TR PROAQUA LASUR PRO

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# **Safety Data Sheet**

According to Annex II to REACH - Regulation (EU) 2020/878 and to Annex II to UK REACH

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

1.1. Product identifier

Code: **3702** 

Product name IA3702TR PROAQUA LASUR PRO

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

Intended use WATER BASED CARPENTRY IMPREGNANT

Identified UsesIndustrialProfessionalConsumerCoatings and paints, thinners, paint removersPC: 9a.PC: 9a.PC: 9a.Manufacture of wood and wood productsSU: 6a.SU: 6a.SU: 6a.

1.3. Details of the supplier of the safety data sheet

Name B.P.S. S.r.I. Full address Via Industria n. 4

District and Country 30029 San Stino di Livenza (VE)

Italia

Tel. +39 0421 951900 Fax +39 0421 951902

e-mail address of the competent person

responsible for the Safety Data Sheet tecnico@bormawachs.it

Supplier: B.P.S. S.r.I.

1.4. Emergency telephone number

For urgent inquiries refer to B.P.S. S.r.I.: +39 0421 951900 Ireland NPIC (01) 809 2566

UK NPIS 0344 892 0111

### **SECTION 2. Hazards identification**

#### 2.1. Classification of the substance or mixture

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP). However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to (EU) Regulation 2020/878.

Hazard classification and indication: --

#### 2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms: -

Signal words: --

Hazard statements:

**EUH210** Safety data sheet available on request.

Precautionary statements:

**P501** Dispose of contents/container according to local, regional, national and international regulations.

P102 Keep out of reach of children.

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

VOC (Directive 2004/42/EC):

Interior / exterior trim varnishes and woodstains.

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### SECTION 2. Hazards identification .../>>

VOC given in g/litre of product in a ready-to-use condition : 34,17 Limit value: 130,00

#### 2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration ≥ 0.1%.

# **SECTION 3. Composition/information on ingredients**

#### 3.2. Mixtures

FC

Contains:

Identification x = Conc. % Classification (EC) 1272/2008 (CLP)

2-BUTOXYETHANOL

CAS 111-76-2 3 ≤ x < 5 Acute Tox. 4 H302, Acute Tox. 4 H332, Eye Irrit. 2 H319, Skin Irrit. 2 H315

LD50 Oral: 1200 mg/kg, STA Inhalation vapours: 11 mg/l

INDEX 603-014-00-0 REACH Reg. 01-2119475108-36

203-905-0

The full wording of hazard (H) phrases is given in section 16 of the sheet.

#### SECTION 4. First aid measures

#### 4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.

INGESTION: Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorised by a doctor.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

# **SECTION 5. Firefighting measures**

### 5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

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

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

### 5.3. Advice for firefighters

# GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with

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self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

#### **SECTION 6. Accidental release measures**

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

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency

#### 6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

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

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point

#### 6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

# **SECTION 7. Handling and storage**

#### 7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

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

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

### 7.3. Specific end use(s)

Information not available

### **SECTION 8. Exposure controls/personal protection**

#### 8.1. Control parameters

Regulatory References:

| DEU | Deutschland  | Technischen Regeln für Gefahrstoffe (TRGS 900) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte. MAK- und BAT-Werte-Liste 2020, Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Mitteilung 56 |
|-----|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ESP | España       | Límites de exposición profesional para agentes químicos en España 2021                                                                                                                                                        |
| FRA | France       | Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS                                                                                                                                    |
| FIN | Suomi        | HTP-VÄRDEN 2020. Koncentrationer som befunnits skadliga. SOCIAL - OCH                                                                                                                                                         |
|     |              | HÄLSOVÅRDSMINISTERIETS PUBLIKATIONER 2020:25                                                                                                                                                                                  |
| HUN | Magyarország | Az innovációért és technológiáért felelős miniszter 5/2020. (II. 6.) ITM rendelete a kémiai kóroki                                                                                                                            |
|     |              | tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről                                                                                                                                              |
| ITA | Italia       | Decreto Legislativo 9 Aprile 2008, n.81                                                                                                                                                                                       |
| LVA | Latvija      | Grozījumi Ministru kabineta 2007. gada 15. maija noteikumos Nr. 325 "Darba aizsardzības                                                                                                                                       |
|     |              | prasības saskarē ar ķīmiskajām vielām darba vietās" (prot. Nr. 32 18. §; prot. Nr. 1 22. §)                                                                                                                                   |
| PRT | Portugal     | Decreto-Lei n.º 1/2021 de 6 de janeiro, valores-limite de exposição profissional indicativos para os                                                                                                                          |
|     |              | agentes químicos. Decreto-Lei n.º 35/2020 de 13 de julho, proteção dos trabalhadores contra os                                                                                                                                |
|     |              | riscos ligados à exposição durante o trabalho a agentes cancerígenos ou mutagénicos                                                                                                                                           |
| POL | Polska       | Rozporządzenie ministra rozwoju, pracy i technologii z dnia 18 lutego 2021 r. Zmieniające                                                                                                                                     |
|     |              | rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych                                                                                                                                    |
|     |              | dla zdrowia w środowisku pracy                                                                                                                                                                                                |
| ROU | România      | Hotărârea nr. 53/2021 pentru modificarea hotărârii guvernului nr. 1.218/2006, precum și pentru                                                                                                                                |

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#### SECTION 8. Exposure controls/personal protection .../>>

modificarea și completarea hotărârii guvernului nr. 1.093/2006

SVK Slovensko NARIADENIE VLÁDY Slovenskej republiky z 12. augusta 2020, ktorým sa mení a dopĺňa

nariadenie vlády Slovenskej republiky č. 356/2006 Z. z. o ochrane zdravia zamestnancov pred rizikami súvisiacimi s expozíciou karcinogénnym a mutagénnym faktorom pri práci v znení

neskorších predpisov

SVN Slovenija Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu

(Uradni list RS, št. 100/01, 39/05, 53/07, 102/10, 43/11 – ZVZD-1, 38/15, 78/18 in 78/19)

GBR United Kingdom EH40/2005 Workplace exposure limits (Fourth Edition 2020)

EU OEL EU Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU)

2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive

2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive

91/322/EEC.

TLV-ACGIH ACGIH 2022

|                       |         |        |     | 2 DUTO  | /VETUANOI  |      |                        |  |  |  |  |
|-----------------------|---------|--------|-----|---------|------------|------|------------------------|--|--|--|--|
|                       |         |        |     | 2-B010) | (YETHANOI  | _    |                        |  |  |  |  |
| Threshold Limit Value |         |        |     |         |            |      |                        |  |  |  |  |
| Туре                  | Country | TWA/8h |     | STEL/15 | STEL/15min |      | Remarks / Observations |  |  |  |  |
|                       |         | mg/m3  | ppm | mg/m3   | ppm        |      |                        |  |  |  |  |
| AGW                   | DEU     | 49     | 10  | 98 (C)  | 20 (C)     | SKIN |                        |  |  |  |  |
| MAK                   | DEU     | 49     | 10  | 98      | 20         | SKIN | Hinweis                |  |  |  |  |
| VLA                   | ESP     | 98     | 20  | 245     | 50         | SKIN |                        |  |  |  |  |
| VLEP                  | FRA     | 49     | 10  | 246     | 50         | SKIN |                        |  |  |  |  |
| HTP                   | FIN     | 98     | 20  | 250     | 50         | SKIN |                        |  |  |  |  |
| AK                    | HUN     | 98     |     | 246     |            | SKIN |                        |  |  |  |  |
| VLEP                  | ITA     | 98     | 20  | 246     | 50         | SKIN |                        |  |  |  |  |
| RV                    | LVA     | 98     | 20  | 246     | 50         | SKIN |                        |  |  |  |  |
| VLE                   | PRT     | 98     | 20  | 246     | 50         | SKIN |                        |  |  |  |  |
| NDS/NDSCh             | POL     | 98     |     | 200     |            | SKIN |                        |  |  |  |  |
| TLV                   | ROU     | 98     | 20  | 246     | 50         | SKIN |                        |  |  |  |  |
| NPEL                  | SVK     | 98     | 20  | 246     | 50         | SKIN |                        |  |  |  |  |
| MV                    | SVN     | 98     | 20  | 246     | 50         | SKIN |                        |  |  |  |  |
| WEL                   | GBR     | 123    | 25  | 246     | 50         | SKIN |                        |  |  |  |  |
| OEL                   | EU      | 98     | 20  | 246     | 50         | SKIN |                        |  |  |  |  |
| TLV-ACGIH             |         | 97     | 20  |         |            |      |                        |  |  |  |  |
|                       |         |        |     |         |            |      |                        |  |  |  |  |

#### Legend:

(C) = CEILING; INHAL = Inhalable Fraction; RESP = Respirable Fraction; THORA = Thoracic Fraction.

#### 8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

# HAND PROTECTION

Protect hands with category III work gloves.

The following should be considered when choosing work glove material (see standard EN 374): compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

#### SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

#### **EYE PROTECTION**

Wear airtight protective goggles (see standard EN 166).

#### RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529. ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

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Information

# **SECTION 9. Physical and chemical properties**

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

**Properties** Value Appearance liquid Colour brown Odour characteristic Melting point / freezing point °C 4 Initial boiling point 100 °C Flammability not flammable Lower explosive limit not available Upper explosive limit not available Flash point 60 not available Auto-ignition temperature рΗ 7,5 Kinematic viscosity not available Solubility soluble in water not available Partition coefficient: n-octanol/water Vapour pressure 2,3 kPa Density and/or relative density 1,02 g/cm3 Relative vapour density not available Particle characteristics not applicable

# 9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

 VOC (Directive 2004/42/EC):
 3,35 % - 34,17
 g/litre

 VOC (volatile carbon)
 1,83 % - 18,64
 g/litre

# SECTION 10. Stability and reactivity

## 10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

2-BUTOXYETHANOL

Decomposes under the effect of heat.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

# 10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

2-BUTOXYETHANOL

May react dangerously with: aluminium, oxidising agents. Forms peroxides with: air.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

2-BUTOXYETHANOL

Avoid exposure to: sources of heat,naked flames.

10.5. Incompatible materials

Information not available

# 10.6. Hazardous decomposition products

2-BUTOXYETHANOL

May develop: hydrogen.

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# **SECTION 11. Toxicological information**

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation - vapours) of the mixture: > 20 mg/l
ATE (Oral) of the mixture: > 2000 mg/kg

ATE (Dermal) of the mixture: Not classified (no significant component)

2-BUTOXYETHANOL

LD50 (Oral): 1200 mg/kg Guinea pig

LC50 (Inhalation vapours): 2,2 mg/l/4h Rat

STA (Inhalation vapours): 11 mg/l estimate from table 3.1.2 of Annex I of the CLP

(figure used for calculation of the acute toxicity estimate of the mixture)

# SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

#### SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

# RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

Respiratory sensitization

Information not available

Skin sensitization

Information not available

### GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

#### CARCINOGENICITY

Does not meet the classification criteria for this hazard class

### REPRODUCTIVE TOXICITY

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### SECTION 11. Toxicological information .../>>

Does not meet the classification criteria for this hazard class

Adverse effects on sexual function and fertility

Information not available

Adverse effects on development of the offspring

Information not available

Effects on or via lactation

Information not available

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

Target organs

Information not available

Route of exposure

Information not available

#### STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

Target organs

Information not available

Route of exposure

Information not available

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

#### 11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

# **SECTION 12. Ecological information**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

### 12.1. Toxicity

Information not available

# 12.2. Persistence and degradability

2-BUTOXYETHANOL Solubility in water Rapidly degradable

1000 - 10000 mg/l

### 12.3. Bioaccumulative potential

2-BUTOXYETHANOL

Partition coefficient: n-octanol/water 0,81

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#### SECTION 12. Ecological information .../>>

#### 12.4. Mobility in soil

Information not available

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

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.

#### 12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

#### 12.7. Other adverse effects

Information not available

### **SECTION 13. Disposal considerations**

#### 13.1. Waste treatment methods

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

### **SECTION 14. Transport information**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

# 14.1. UN number or ID number

not applicable

# 14.2. UN proper shipping name

not applicable

# 14.3. Transport hazard class(es)

not applicable

# 14.4. Packing group

not applicable

### 14.5. Environmental hazards

not applicable

# 14.6. Special precautions for user

not applicable

# 14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

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# **SECTION 15. Regulatory information**

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

Seveso Category - Directive 2012/18/EU: Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006 Contained substance Point Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors not applicable Substances in Candidate List (Art. 59 REACH) On the basis of available data, the product does not contain any SVHC in percentage ≥ than 0,1%. Substances subject to authorisation (Annex XIV REACH) None Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012: Substances subject to the Rotterdam Convention: Substances subject to the Stockholm Convention: None Healthcare controls Information not available

### 15.2. Chemical safety assessment

VOC (Directive 2004/42/EC):

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

### **SECTION 16. Other information**

Interior / exterior trim varnishes and woodstains.

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Acute Tox. 4
Eye Irrit. 2
Skin Irrit. 2
H302
H332
Acute toxicity, category 4
Eye irritation, category 2
Skin irritation, category 2
Harmful if swallowed.
Harmful if inhaled.

H319 Causes serious eye irritation.H315 Causes skin irritation.

**EUH210** Safety data sheet available on request.

Use descriptor system:

PC 9a Coatings and paints, thinners, paint removers SU 6a Manufacture of wood and wood products

### LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule

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#### SECTION 16. Other information .../>>

- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

#### GENERAL BIBLIOGRAPHY

- 1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
- 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
- 3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
- 4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
- 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
- 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
- 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
- 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
- 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
- 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
- 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
- 13. Regulation (EU) 2017/776 (X Atp. CLP)
- 14. Regulation (EU) 2018/669 (XI Atp. CLP)
- 15. Regulation (EU) 2019/521 (XII Atp. CLP)
- 16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
- 17. Regulation (EU) 2019/1148
- 18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
- 19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
- 20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
- 21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
- The Merck Index. 10th Edition
- Handling Chemical Safety
- INRS Fiche Toxicologique (toxicological sheet)
- Patty Industrial Hygiene and Toxicology
- N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals Ministry of Health and ISS (Istituto Superiore di Sanità) Italy

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

#### CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in

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# B.P.S. S.r.I.

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| Section 11. Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12. |
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