

**L4100 - LEVANTE - STUCCO GELCOAT NITRO**

Safety Data Sheet

According to Annex II to REACH - Regulation 2015/830

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

1.1. Product identifier

Code: **L4100**
Product name: **LEVANTE - STUCCO GELCOAT NITRO**

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

Intended use: **Putty for the nautical sector. For professional use only.**

Uses related to substances:

| Identified Uses | Industrial | Professional | Consumer |
|-----------------|------------|--|----------|
| Butyl acetate | - | ERC: 7, 8a. PROC: 1, 10, 11, 13, 15, 19, 2, 3, 4, 5, 8a, 8b. | - |

Uses advised against: no one in particular

1.3. Details of the supplier of the safety data sheet

Name: **ILPA ADESIVI SRL**
Full address: **Via Ferorelli, 4**
District and Country: **70132 BARI (BARI)**
ITALIA
Tel. + 39 0805383837
Fax + 39 0805377807

e-mail address of the competent person
responsible for the Safety Data Sheet: **laboratorio@ilpa.it**

1.4. Emergency telephone number

For urgent inquiries refer to: **+ 39 0808974667 (Technical support - 8,00 - 17,00 - LUN-VEN; MON-FRI)(Italian time zone)**
Safety Executive (HSE) Chemicals Regulation Directorate 5S.1 Redgrave Court, Merton Road, Bootle, Merseyside. L20 7HS.
Phone: +44 151 9513317

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

**L4100 - LEVANTE - STUCCO GELCOAT NITRO**

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2015/830. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

| | | |
|--|------|------------------------------------|
| Flammable liquid, category 3 | H226 | Flammable liquid and vapour. |
| Eye irritation, category 2 | H319 | Causes serious eye irritation. |
| Specific target organ toxicity - single exposure, category 3 | H336 | May cause drowsiness or dizziness. |

2.2. Label elements

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

Hazard pictograms:



Signal words: Warning

Hazard statements:

| | |
|---------------|---|
| H226 | Flammable liquid and vapour. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |

Precautionary statements:

| | |
|------------------|--|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P233 | Keep container tightly closed. |
| P261 | Avoid breathing dust / fume / gas / mist / vapours / spray. |
| P280 | Wear protective gloves / eye protection / face protection. |
| P312 | Call a POISON CENTRE / doctor if you feel unwell. |
| P370+P378 | In case of fire: useuse carbon dioxide, foam, chemical powder to extinguish. |

Contains: N-BUTYL ACETATE
PROPAN-2-OL

Product not intended for uses provided for by Dir. 2004/42/CE.

2.3. Other hazards

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

SECTION 3. Composition/information on ingredients

**L4100 - LEVANTE - STUCCO GELCOAT NITRO****3.2. Mixtures**

Contains:

| Identification | x = Conc. % | Classification 1272/2008 (CLP) |
|------------------------------------|---------------|--|
| N-BUTYL ACETATE | | |
| CAS 123-86-4 | 25,5 ≤ x < 27 | Flam. Liq. 3 H226, STOT SE 3 H336, EUH066 |
| EC 204-658-1 | | |
| INDEX 607-025-00-1 | | |
| Reg. no. 01-2119485493-29 | | |
| XYLENE (MIXTURE OF ISOMERS) | | |
| CAS 1330-20-7 | 8 ≤ x < 9 | Flam. Liq. 3 H226, Acute Tox. 4 H312, Acute Tox. 4 H332, Asp. Tox. 1 H304, STOT RE 2 H373, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Classification note/notes according to Annex VI to the CLP Regulation: C |
| EC 215-535-7 | | |
| INDEX 601-022-00-9 | | |
| Reg. no. 01-2119488216-32 | | |
| NITROCELLULOSE | | |
| CAS 9004-70-0 | 6 ≤ x < 7 | Expl. 1.1 H201, Classification note/notes according to Annex VI to the CLP Regulation: T |
| EC - | | |
| INDEX 603-037-00-6 | | |
| PROPAN-2-OL | | |
| CAS 67-63-0 | 2,5 ≤ x < 3 | Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336 |
| EC 200-661-7 | | |
| INDEX 603-117-00-0 | | |
| Reg. no. 01-2119457558-25 | | |
| ETHYLBENZENE | | |
| CAS 100-41-4 | 2 ≤ x < 2,5 | Flam. Liq. 2 H225, Acute Tox. 4 H332, Asp. Tox. 1 H304, STOT RE 2 H373, Aquatic Chronic 3 H412 |
| EC 202-849-4 | | |
| INDEX 601-023-00-4 | | |
| Reg. no. 01-2119489370-35 | | |

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**

PROTECTIVE MEASURES FOR THE FIRST RESCUE WORKERS: for PPE (personal protection equipment) required for first aid refer to section 8.2 of this safety data sheet.

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. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.

**L4100 - LEVANTE - STUCCO GELCOAT NITRO**

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately.
INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly 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**

Extinguishing substances are: carbon dioxide and chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water.

Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

5.2. Special hazards arising from the substance or mixture**HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE**

If large quantities of the product are involved in a fire, they can make it considerably worse. Do not breathe combustion products.

5.3. Advice for firefighters**GENERAL INFORMATION**

In the case of fire, use jets of water to cool the containers to prevent the risk of explosions (product decomposition and excess pressure) and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Remove all containers containing the product from the fire, if it is safe to do so.

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 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 procedures.

Send away individuals who are not suitably equipped. Use explosion-proof equipment. Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site.

6.2. Environmental precautions

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

**L4100 - LEVANTE - STUCCO GELCOAT NITRO****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 13.

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**

Ensure that there is an adequate earthing system for the equipment and personnel. Avoid contact with eyes and skin. Do not breathe powders, vapours or mists. Do not eat, drink or smoke during use. Wash hands after use. Avoid leakage of the product into the environment.

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. In order to avoid the risk of fires and explosions, never use compressed air when handling. Open containers with caution as they may be pressurised.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store in a ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

Store in a cool and well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition.

7.3. Specific end use(s)

No use other than specified in Section 1.2 of this safety data sheet.

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 2019 |
| FRA | France | Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS |
| GRC | Ελλάδα | Π.Δ. 26/2020 (ΦΕΚ 50/Α` 6.3.2020) Εναρμόνιση της ελληνικής νομοθεσίας προς τις διατάξεις των οδηγιών 2017/2398/ΕΕ, 2019/130/ΕΕ και 2019/983/ΕΕ «για την τροποποίηση της οδηγίας 2004/37/ΕΚ ``σχετικά με την προστασία των εργαζομένων από τους κινδύνους που συνδέονται με την έκθεση σε καρκινογόνους ή μεταλλαξινογόνους παράγοντες κατά την εργασία``» |
| HRV | Hrvatska | Pravilnik o izmjenama i dopunama Pravilnika o zaštiti radnika od izloženosti opasnimkemičkim na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima (NN 1/2021) |
| ITA | Italia | Decreto Legislativo 9 Aprile 2008, n.81 |
| NLD | Nederland | Arbeidsomstandighedenregeling. Lijst van wettelijke grenswaarden op grond van de artikelen 4.3, eerste lid, en 4.16, eerste lid, van het Arbeidsomstandighedenbesluit |
| 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 |
| ROU | România | Hotararea 157/2020 pentru modificarea Hotărârii Guvernului nr. 1.218/2006 privind stabilirea cerințelor |



L4100 - LEVANTE - STUCCO GELCOAT NITRO

GBR United Kingdom
EU OEL EU

TLV-ACGIH

minime de securitate și sănătate în muncă pentru asigurarea protecției lucrătorilor împotriva riscurilor legate de prezența agenților chimici, precum și pentru modificarea și completarea Hotărârii Guvernului nr. 1.093/2006 privind stabilirea cerințelor minime de securitate și sănătate pentru protecția lucrătorilor împotriva riscurilor legate de expunerea la agenți cancerigeni sau mutageni la locul de muncă
EH40/2005 Workplace exposure limits (Fourth Edition 2020)
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.
ACGIH 2020

**N-BUTYL ACETATE
Threshold Limit Value**

| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
|-----------|---------|--------|-----|------------|---------|------------------------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| AGW | DEU | 300 | 62 | 600 (C) | 124 (C) | |
| VLA | ESP | 724 | 150 | 965 | 200 | |
| VLEP | FRA | 710 | 150 | 940 | 200 | |
| TLV | GRC | 710 | 150 | 950 | 200 | |
| GVI/KGVI | HRV | 241 | 50 | 723 | 150 | |
| TGG | NLD | 150 | | | | |
| VLE | PRT | 241 | 50 | 723 | 150 | |
| TLV | ROU | 715 | 150 | 950 | 200 | |
| WEL | GBR | 724 | 150 | 966 | 200 | |
| OEL | EU | 241 | 50 | 723 | 150 | |
| TLV-ACGIH | | | 50 | | 150 | |

Predicted no-effect concentration - PNEC

| | | |
|--|--------|---------|
| Normal value in fresh water | 0,18 | mg/l |
| Normal value in marine water | 0,018 | mg/l |
| Normal value for fresh water sediment | 0,981 | mg/kg/d |
| Normal value for marine water sediment | 0,0981 | mg/kg/d |
| Normal value for water, intermittent release | 0,36 | mg/l |
| Normal value of STP microorganisms | 35,6 | mg/l |
| Normal value for the terrestrial compartment | 0,0903 | mg/kg/d |

Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers | | | Effects on workers | | | | |
|-------------------|----------------------|----------------|---------------|--------------------|-------------|----------------|---------------|------------------|
| | Acute local | Acute systemic | Chronic local | Chronic systemic | Acute local | Acute systemic | Chronic local | Chronic systemic |
| Inhalation | 859,7 mg/m3 | 859,7 mg/m3 | 102,34 mg/m3 | 102,34 mg/m3 | 960 mg/m3 | 960 mg/m3 | 480 mg/m3 | 480 mg/m3 |

XYLENE (MIXTURE OF ISOMERS)

Threshold Limit Value

| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
|------|---------|--------|-----|------------|-----|------------------------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| AGW | DEU | 440 | 100 | 880 | 200 | SKIN |
| MAK | DEU | 440 | 100 | 880 | 200 | SKIN |
| VLA | ESP | 221 | 50 | 442 | 100 | SKIN |
| VLEP | FRA | 221 | 50 | 442 | 100 | SKIN |

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| | | | | | | |
|-----------|-----|-----|-----|-----|-----|------|
| TLV | GRC | 435 | 100 | 650 | 150 | |
| GVI/KGVI | HRV | 221 | 50 | 442 | 100 | SKIN |
| VLEP | ITA | 221 | 50 | 442 | 100 | SKIN |
| TGG | NLD | 210 | | 442 | | SKIN |
| WEL | GBR | 220 | 50 | 441 | 100 | |
| OEL | EU | 221 | 50 | 442 | 100 | SKIN |
| TLV-ACGIH | | 434 | 100 | 651 | 150 | |

Predicted no-effect concentration - PNEC

| | | | | |
|--|--|-------|--|---------|
| Normal value in fresh water | | 0,327 | | mg/l |
| Normal value in marine water | | 0,327 | | mg/l |
| Normal value for fresh water sediment | | 12,46 | | mg/kg/d |
| Normal value for marine water sediment | | 12,46 | | mg/kg/d |
| Normal value for water, intermittent release | | 0,327 | | mg/l |
| Normal value of STP microorganisms | | 6,58 | | mg/l |
| Normal value for the terrestrial compartment | | 2,31 | | mg/kg/d |

Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers | | | | Effects on workers | | | |
|-------------------|----------------------|----------------|---------------|------------------|--------------------|----------------|---------------|------------------|
| | Acute local | Acute systemic | Chronic local | Chronic systemic | Acute local | Acute systemic | Chronic local | Chronic systemic |
| Oral | | | VND | 1,6 mg/kg bw/d | | | | |
| Inhalation | 174 mg/m3 | 174 mg/m3 | VND | 14,8 mg/m3 | 289 mg/m3 | 289 mg/m3 | VND | 77 mg/m3 |
| Skin | | | VND | 108 mg/kg bw/d | | | VND | 180 mg/kg bw/d |

PROPAN-2-OL**Threshold Limit Value**

| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
|-----------|---------|--------|-----|------------|-----|------------------------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| AGW | DEU | 500 | 200 | 1000 | 400 | |
| MAK | DEU | 500 | 200 | 1000 | 400 | |
| VLA | ESP | 500 | 200 | 1000 | 400 | |
| VLEP | FRA | | | 980 | 400 | |
| TLV | GRC | 980 | 400 | 1225 | 500 | |
| GVI/KGVI | HRV | 999 | 400 | 1250 | 500 | |
| TGG | NLD | 650 | | | | |
| TLV | ROU | 200 | 81 | 500 | 203 | |
| WEL | GBR | 999 | 400 | 1250 | 500 | |
| TLV-ACGIH | | 492 | 200 | 983 | 400 | |

Predicted no-effect concentration - PNEC

| | | | | |
|--|--|-------|--|---------|
| Normal value in fresh water | | 140,9 | | mg/l |
| Normal value in marine water | | 140,9 | | mg/l |
| Normal value for fresh water sediment | | 552 | | mg/kg/d |
| Normal value for marine water sediment | | 552 | | mg/kg/d |
| Normal value for water, intermittent release | | 140,9 | | mg/l |

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| | | |
|------------------------------------|------|------|
| Normal value of STP microorganisms | 2251 | mg/l |
|------------------------------------|------|------|

| | | |
|--|----|---------|
| Normal value for the terrestrial compartment | 28 | mg/kg/d |
|--|----|---------|

| Health - Derived no-effect level - DNEL / DMEL | | | | | | | | |
|---|----------------------|----------------|---------------|------------------|--------------------|----------------|---------------|------------------|
| Route of exposure | Effects on consumers | | | | Effects on workers | | | |
| | Acute local | Acute systemic | Chronic local | Chronic systemic | Acute local | Acute systemic | Chronic local | Chronic systemic |
| Oral | | | VND | 26 mg/kg bw/d | | | | |
| Inhalation | | | VND | 89 mg/m3 | | | VND | 500 mg/m3 |
| Skin | | | VND | 319 mg/kg bw/d | | | VND | 888 mg/kg bw/d |

ETHYLBENZENE**Threshold Limit Value**

| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
|-----------|---------|--------|-----|------------|-----|------------------------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| AGW | DEU | 440 | 100 | 880 | 200 | SKIN |
| MAK | DEU | 88 | 20 | 176 | 40 | SKIN |
| VLA | ESP | 441 | 100 | 884 | 200 | SKIN |
| VLEP | FRA | 88,4 | 20 | 442 | 100 | SKIN |
| TLV | GRC | 435 | 100 | 545 | 125 | |
| GVI/KGVI | HRV | 442 | 100 | 884 | 200 | SKIN |
| VLEP | ITA | 442 | 100 | 884 | 200 | SKIN |
| TGG | NLD | 215 | | 430 | | SKIN |
| WEL | GBR | 441 | 100 | 552 | 125 | SKIN |
| OEL | EU | 442 | 100 | 884 | 200 | SKIN |
| TLV-ACGIH | | 87 | 20 | | | |

Predicted no-effect concentration - PNEC

| | | |
|-----------------------------|---|------|
| Normal value in fresh water | 1 | mg/l |
|-----------------------------|---|------|

| | | |
|------------------------------|---|------|
| Normal value in marine water | 1 | mg/l |
|------------------------------|---|------|

| | | |
|---------------------------------------|-----|---------|
| Normal value for fresh water sediment | 137 | mg/kg/d |
|---------------------------------------|-----|---------|

| | | |
|--|-----|---------|
| Normal value for marine water sediment | 137 | mg/kg/d |
|--|-----|---------|

| | | |
|--|---|------|
| Normal value for water, intermittent release | 1 | mg/l |
|--|---|------|

| | | |
|------------------------------------|----|------|
| Normal value of STP microorganisms | 96 | mg/l |
|------------------------------------|----|------|

| | | |
|--|-----|---------|
| Normal value for the terrestrial compartment | 268 | mg/kg/d |
|--|-----|---------|

| Health - Derived no-effect level - DNEL / DMEL | | | | | | | | |
|---|----------------------|----------------|---------------|------------------|--------------------|----------------|---------------|------------------|
| Route of exposure | Effects on consumers | | | | Effects on workers | | | |
| | Acute local | Acute systemic | Chronic local | Chronic systemic | Acute local | Acute systemic | Chronic local | Chronic systemic |
| Oral | | | NPI | 1,6 mg/kg bw/d | | | | |
| Inhalation | NPI | VND | NPI | 15 mg/m3 | 293 mg/m3 | VND | NPI | 77 mg/m3 |
| Skin | NPI | NPI | NPI | NPI | NPI | NPI | NPI | 180 mg/kg bw/d |

Legend:

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

**L4100 - LEVANTE - STUCCO GELCOAT NITRO**

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

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.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: 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.

Consider the appropriateness of providing antistatic clothing in the case of working environments in which there is a risk of explosion.

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, wear a mask with a type AX filter, whose limit of use will be defined by the manufacturer (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.

SECTION 9. Physical and chemical properties**9.1. Information on basic physical and chemical properties**

| | | |
|--------------------------------|---------------------------|--|
| Appearance | paste | |
| Colour | white | |
| Odour | characteristic of solvent | |
| Odour threshold | Not available | Concentration:0,7 ppm Substance:N-BUTYL ACETATE |
| pH | Not applicable | Reason for missing data:solvent based product, insoluble in water. |
| Melting point / freezing point | Not available | Substance:N-BUTYL ACETATE Temperature:<-90°C |
| Initial boiling point | > 35 °C | |

**L4100 - LEVANTE - STUCCO GELCOAT NITRO**

| | | |
|--|--------------------------|--|
| Boiling range | Not available | |
| Flash point | 23 ≤ T ≤ 60 °C | Method:ASTM D3278-21 |
| Evaporation rate | Not available | Concentration:1 (butyl-acetate=1) Substance:N-BUTYL ACETATE |
| Flammability (solid, gas) | not applicable | |
| Lower inflammability limit | Not available | Concentration:1,7 (in air Vol%) Substance:N-BUTYL ACETATE |
| Upper inflammability limit | Not available | Concentration:7,6 (in air Vol%) Substance:N-BUTYL ACETATE |
| Lower explosive limit | Not available | Concentration:1,2 Vol% Substance:N-BUTYL ACETATE |
| Upper explosive limit | Not available | Concentration:7,6 (in air Vol%) Substance:N-BUTYL ACETATE |
| Vapour pressure | Not available | Concentration:11,2 hPa (T=20°C) Substance:N-BUTYL ACETATE |
| Vapour density | Not available | Remark:(ICSC 0399) Concentration:4 (air=1) Substance:N-BUTYL ACETATE |
| Relative density | 1,8 Kg/l | |
| Solubility | insoluble in water | |
| Partition coefficient: n-octanol/water | Not available | Concentration:Log Pow 2,3 (T=25°C) Substance:N-BUTYL ACETATE |
| Auto-ignition temperature | Not available | Substance:N-BUTYL ACETATE Temperature:415 (1010hPa) |
| Decomposition temperature | Not available | |
| Viscosity | 440 ± 50 Pas (T = 25 °C) | |
| Explosive properties | Not available | |
| Oxidising properties | Not available | |

9.2. Other information

| | |
|------------------------------|--------------------------|
| VOC (Directive 2010/75/EC) : | 40,38 % - 525,00 g/litre |
| VOC (volatile carbon) : | 28,22 % - 507,89 g/litre |

SECTION 10. Stability and reactivity**10.1. Reactivity**

The product can decompose and/or react violently.

N-BUTYL ACETATE

Decomposes on contact with: water.

NITROCELLULOSE

Avoid exposure to: heat,naked flames.Avoid contact with: strong oxidants.Fire hazard.Decomposes under the effect of heat.

10.2. Chemical stability

**L4100 - LEVANTE - STUCCO GELCOAT NITRO**

See previous paragraph.

10.3. Possibility of hazardous reactions

See paragraph 10.1.

N-BUTYL ACETATE

Risk of explosion on contact with: strong oxidising agents.May react dangerously with: alkaline hydroxides,potassium tert-butoxide.Forms explosive mixtures with: air.

NITROCELLULOSE

Avoid exposure to: heat,shocks.Possibility of explosion.

10.4. Conditions to avoid

As the product decomposes even at ambient temperature, it must be stored and used at a controlled temperature. Avoid violent blows.

N-BUTYL ACETATE

Avoid exposure to: moisture,sources of heat,naked flames.

NITROCELLULOSE

Avoid exposure to: high temperatures,heat.

10.5. Incompatible materials

N-BUTYL ACETATE

Incompatible with: water,nitrates,strong oxidants,acids,alkalis,zinc.

10.6. Hazardous decomposition products

NITROCELLULOSE

May develop: nitric oxide.

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 toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

**L4100 - LEVANTE - STUCCO GELCOAT NITRO**

Information not available

Information on likely routes of exposure

N-BUTYL ACETATE

WORKERS: inhalation; contact with the skin.

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

N-BUTYL ACETATE

In humans, the substance's vapours cause irritation of the eyes and nose. In the event of repeated exposure, skin irritation, dermatitis (dryness and cracking of the skin) and keratitis appear.

Interactive effects

N-BUTYL ACETATE

A case of acute intoxication been reported involving a 33 year old worker while cleaning a tank with a preparation containing xylenes, butyl acetate and ethylene glycol acetate. The person had irritation of the conjunctiva and upper respiratory tract, drowsiness and motor coordination disorders, which disappeared within 5 hours. The symptoms are attributed to poisoning by mixed xylenes and butyl acetate, with a possible synergistic effect responsible for the neurological effects. Cases of vacuolar keratitis are reported in workers exposed to a mixture of butyl acetate and isobutanol vapours, but with uncertainty concerning the responsibility of a particular solvent (INRC, 2011).

ACUTE TOXICITY

ATE (Inhalation) of the mixture:

> 20 mg/l

ATE (Oral) of the mixture:

Not classified (no significant component)

ATE (Dermal) of the mixture:

>2000 mg/kg

XYLENE (MIXTURE OF ISOMERS)

LD50 (Oral) 3523 mg/kg Rat (equivalent or similar to EU Method B.1)

LD50 (Dermal) 4200 mg/kg Rabbit (Industrial Medicine 39, 215-200, 1970)

LC50 (Inhalation) 26 mg/l/4h Rat(equivalent or similar to EU Method B.2)

ETHYLBENZENE

LD50 (Oral) 3500 mg/kg Rat (standard acute method)

LD50 (Dermal) 15354 mg/kg Rabbit (standard acute method)

LC50 (Inhalation) 17,8 mg/l/4h Rat (standard acute method)

PROPAN-2-OL



L4100 - LEVANTE - STUCCO GELCOAT NITRO

LD50 (Oral) 4710 mg/kg Rat

LD50 (Dermal) 12800 mg/kg Rat

LC50 (Inhalation) 72,6 mg/l/4h Rat

N-BUTYL ACETATE

LD50 (Oral) 10760 mg/kg Rat (Equivalent or similar to OECD Guideline 423)

LD50 (Dermal) 14112 mg/kg Rabbit (Equivalent or similar to OECD Guideline 402)

LC50 (Inhalation) 5,3 mg/l/4h Rat (Equivalent or similar to OECD Guideline 423)

SKIN CORROSION / IRRITATION

Repeated exposure may cause skin dryness or cracking.

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

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

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

May cause drowsiness or dizziness

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class Viscosity: 440 ± 50 Pas (T = 25 °C)

**L4100 - LEVANTE - STUCCO GELCOAT NITRO****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**XYLENE (MIXTURE OF ISOMERS)**

LC50 - for Fish

2,6 mg/l/96h *Oncorhynchus mykiss* (OECD TG 203)

Chronic NOEC for Fish

1,3 mg/l 56d *Oncorhynchus mykiss* (Appl. Sci. Branch, Eng. Res. Cent. Denver, CO: 15p.)

Chronic NOEC for Crustacea

1,17 mg/l 7d *Ceriodaphnia dubia* (Ecotoxicology and Environmental Safety 39, 136-146)**ETHYLBENZENE**

LC50 - for Fish

4,2 mg/l/96h *Oncorhynchus mykiss*, according to (OECD Guideline 203)

EC50 - for Crustacea

2,4 mg/l/48h *Daphnia magna*, According to EPA method F

EC50 - for Algae / Aquatic Plants

5,4 mg/l/72h *Selenastrum capricornutum*, according to (U.S. EPA.1985 Federal register, Volume 50, Number 188)**NITROCELLULOSE**

LC50 - for Fish

> 5000 mg/l/96h *Danio rerio*, according to OECD 203

EC50 - for Algae / Aquatic Plants

> 90000 mg/l/72h *Alga Scenedesmus*, according to OECD 201

Chronic NOEC for Crustacea

100000 mg/l *Daphnia magna*, according to OECD 202**PROPAN-2-OL**

LC50 - for Fish

9640 mg/l/96h *Pimephales promelas*, according to (Toxicity Tests with Aquatic Organisms (1975))**N-BUTYL ACETATE**

LC50 - for Fish

18 mg/l/96h *Pimephales promelas* (Equivalent or similar to OECD Guideline 203)

EC50 - for Crustacea

44 mg/l/48h *Daphnia sp.* (Publication, 1959, no guideline followed)

EC50 - for Algae / Aquatic Plants

648 mg/l/72h *Desmodesmus subspicatus* (Umweltbundesamt - German Federal Environment Agency)

Chronic NOEC for Crustacea

23 mg/l *Daphnia magna*, 21 d (Read-across from supporting substance, OECD Guideline 211)**12.2. Persistence and degradability****XYLENE (MIXTURE OF ISOMERS)**

Solubility in water

100 - 1000 Handbook of aqueous solubility data. mg/l

Rapidly degradable

OECD Guideline 301 F, GLP

ETHYLBENZENE

**L4100 - LEVANTE - STUCCO GELCOAT NITRO**

Solubility in water 1000 - 10000 mg/l

Rapidly degradable
ISO 14593-CO2-Headspace Test, GLP

NITROCELLULOSE

Rapidly degradable
>60%, 28 d OECD Guideline 301 B

PROPAN-2-OL

Rapidly degradable
EU Method C.5

N-BUTYL ACETATE

Solubility in water 1000 - 10000 mg/l

Rapidly degradable
OECD Guideline 301 D

12.3. Bioaccumulative potential**XYLENE (MIXTURE OF ISOMERS)**

Partition coefficient: n-octanol/water 3,12 American Chemical Society, Washington DC
BCF 25,9 Appl. Sci. Branch, Eng. Res. Cent. Denver, CO: 15p.

ETHYLBENZENE

Partition coefficient: n-octanol/water 3,6

PROPAN-2-OL

Partition coefficient: n-octanol/water 0,05

N-BUTYL ACETATE

Partition coefficient: n-octanol/water 2,3 a 25 °C (Metodo OECD TG 117)
BCF 15,3

12.4. Mobility in soil**XYLENE (MIXTURE OF ISOMERS)**

Partition coefficient: soil/water 2,73 equivalent or similar to OECD Guideline 121

N-BUTYL ACETATE

Partition coefficient: soil/water < 3

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 \geq than 0,1%.

12.6. Other adverse effects

Information not available

**L4100 - LEVANTE - STUCCO GELCOAT NITRO****SECTION 13. Disposal considerations****13.1. Waste treatment methods**

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

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

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

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

SECTION 14. Transport information**14.1. UN number**

ADR / RID, IMDG, IATA: 1263

14.2. UN proper shipping name

ADR / RID: PAINT or PAINT RELATED MATERIAL (contens: n-BUTHYL ACETATE, XYLENE, PROPAN-2-OL, ETHYLBENZENE) MIXTURE

IMDG: PAINT or PAINT RELATED MATERIAL (contens: n-BUTHYL ACETATE, XYLENE, PROPAN-2-OL, ETHYLBENZENE) MIXTURE

IATA: PAINT or PAINT RELATED MATERIAL (contens: n-BUTHYL ACETATE, XYLENE, PROPAN-2-OL, ETHYLBENZENE) MIXTURE

14.3. Transport hazard class(es)

ADR / RID: Class: 3 Label: 3



IMDG: Class: 3 Label: 3



IATA: Class: 3 Label: 3

**14.4. Packing group**

ADR / RID, IMDG, IATA: III

14.5. Environmental hazards

ADR / RID: NO

IMDG: NO

IATA: NO

14.6. Special precautions for user

**L4100 - LEVANTE - STUCCO GELCOAT NITRO**

| | | | |
|------------|----------------------|-------------------------|--------------------------------|
| ADR / RID: | HIN - Kemler: 30 | Limited Quantities: 5 L | Tunnel restriction code: (D/E) |
| | Special provision: - | | |
| IMDG: | EMS: F-E, <u>S-E</u> | Limited Quantities: 5 L | |
| IATA: | Cargo: | Maximum quantity: 220 L | Packaging instructions: 366 |
| | Pass.: | Maximum quantity: 60 L | Packaging instructions: 355 |
| | Special provision: | A3, A72, A192 | |

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant

SECTION 15. Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Seveso Category - Directive 2012/18/EC: P5c

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006Product

Point

3. Liquid substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/ 2008:
(a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F;
(b) hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10;
(c) hazard class 4.1;
(d) hazard class 5.1.

40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to that Regulation or not.

Contained substance

| | | |
|-------|----|--|
| Point | 75 | TITANIUM DIOXIDE Reg. no.: 01- 2119489379-17- XXXX |
| Point | 75 | XYLENE (MIXTURE OF ISOMERS) Reg. no.: 01-2119488216- 32 |

Regulation (EC) No. 2019/1148 - on the marketing and use of explosives precursors

Not applicable

Substances in Candidate List (Art. 59 REACH)

**L4100 - LEVANTE - STUCCO GELCOAT NITRO**

On the basis of available data, the product does not contain any SVHC in percentage \geq than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment

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

SECTION 16. Other information

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

| | |
|--------------------------|--|
| Expl. 1.1 | Explosive, division 1.1 |
| Flam. Liq. 2 | Flammable liquid, category 2 |
| Flam. Liq. 3 | Flammable liquid, category 3 |
| Acute Tox. 4 | Acute toxicity, category 4 |
| Asp. Tox. 1 | Aspiration hazard, category 1 |
| STOT RE 2 | Specific target organ toxicity - repeated exposure, category 2 |
| Eye Irrit. 2 | Eye irritation, category 2 |
| Skin Irrit. 2 | Skin irritation, category 2 |
| STOT SE 3 | Specific target organ toxicity - single exposure, category 3 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment, chronic toxicity, category 3 |
| H201 | Explosive; mass explosion hazard. |
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H312 | Harmful in contact with skin. |

**L4100 - LEVANTE - STUCCO GELCOAT NITRO**

| | |
|--------|--|
| H332 | Harmful if inhaled. |
| H304 | May be fatal if swallowed and enters airways. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H319 | Causes serious eye irritation. |
| H315 | Causes skin irritation. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H412 | Harmful to aquatic life with long lasting effects. |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |

Use descriptor system:

| | | |
|------|----|--|
| ERC | 7 | Use of functional fluid at industrial site |
| ERC | 8a | Widespread use of non- reactive processing aid (no inclusion into or onto article, indoor) |
| PROC | 1 | Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions. |
| PROC | 10 | Roller application or brushing |
| PROC | 11 | Non industrial spraying |
| PROC | 13 | Treatment of articles by dipping and pouring |
| PROC | 15 | Use as laboratory reagent |
| PROC | 19 | Manual activities involving hand contact |
| PROC | 2 | Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions |
| PROC | 3 | Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition |
| PROC | 4 | Chemical production where opportunity for exposure arises |
| PROC | 5 | Mixing or blending in batch processes |
| PROC | 8a | Transfer of substance or mixture (charging and discharging) at non- dedicated facilities |
| PROC | 8b | Transfer of substance or mixture (charging and discharging) at dedicated facilities |

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- 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 NUMBER: 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: EC Regulation 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 STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation

**L4100 - LEVANTE - STUCCO GELCOAT NITRO**

- 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
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 4. Regulation (EU) 2015/830 of the European Parliament
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 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
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Codice azienda: IT00465900728

Ragione sociale: Ilpa Adesivi Srl

Nome prodotto ISS: STUCCO GELCOAT NITRO

Codice prodotto ISS: L4100

Note for users:

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 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.

Training for workers:

Worker training should include content, updates and duration depending on the risk profiles assigned to the business sectors they belong.

Changes to previous review:
The following sections were modified:
02 / 09 / 14.