

	BARNIZ ACQUA INTERIOR MATE Code: 1027			

Version: 6 Revision: 10/07/2013

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SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1	<u>PRODUCT IDENTIFIER:</u> BARNIZ ACQUA INTERIOR MATE Code: 1027
1.2	<u>RELEVANT IDENTIFIED USES AND USES ADVISED AGAINST:</u> <u>Intended uses (main technical functions):</u> [] Industrial [X] Professional [X] Consumers Product for wood varnishing. <u>Uses advised against:</u> None. As there is not classified as dangerous, this product can be used in ways other than the identified uses, but all uses have to be consistent with the safety guidelines provided. <u>Restrictions on manufacture, placing on market and use, according to Annex XVII of Regulation (EC) No. 1907/2006:</u> Not applicable.
1.3	<u>DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:</u> PINTURAS ISAVAL, S.L. c/Velluters, Parcela 2-14 - P. I.Casanova - E-46394 - Ribarroja del Turia (Valencia) Phone: +34 96 1640001 - Fax: +34 96 1640002 <u>E-mail address of the person responsible for the safety data sheet:</u> e-mail: atencionalcliente@isaval.es
1.4	<u>EMERGENCY TELEPHONE NUMBER:</u> +34 96 1640001 (8:00-18:00 h.) (working hours)

SECTION 2 : HAZARDS IDENTIFICATION

2.1	<u>CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:</u> This product is not classified as dangerous. in accordance with Directive 1999/45/EC~2006/8/EC
2.2	<u>LABEL ELEMENTS:</u> <div style="display: flex; align-items: center; margin-top: 10px;"> <div style="display: flex; gap: 10px;"> <div style="border: 1px solid black; width: 40px; height: 40px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px;"></div> </div> <div style="margin-left: 20px;"> This product does not require pictograms, in accordance with Directive 67/548/EEC~2009/2/EC and 1999/45/EC~2006/8/EC </div> </div> <p><u>R-phrases:</u> None.</p> <p><u>S-phrases:</u> S2 Keep out of reach of children. S29 Do not empty into drains. S51 Use only in well-ventilated areas.</p> <p><u>Supplementary statements:</u> None.</p> <p><u>Dangerous ingredients:</u> None.</p>
2.3	<u>OTHER HAZARDS:</u> <u>Other physicochemical hazards:</u> Not applicable. <u>Other adverse human health effects:</u> Prolonged exposure to vapours may produce transient drowsiness. In case of prolonged contact, the skin may become dry. <u>Other negative environmental effects:</u> Not applicable.



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SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1 SUBSTANCES:
Not applicable.

3.2 MIXTURES:
This product is a mixture.
Chemical description:
Solution of resins and additives in aqueous media.
Dangerous ingredients:
Substances taking part in a percentage higher than the exemption limit:

<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	< 1 % 1-methyl-2-pyrrolidone CAS: 872-50-4 , EC: 212-828-1 DSD: Repr. Cat.2:R61 Xi:R36/37/38 CLP: Skin Irrit. 2:H315 Eye Irrit. 2:H319 Repr. 1B:H360oD STOT SE (irrit.) 3:H335	REACH: 01-2119472430-46 Index No. 606-021-00-7 < ATP31 < REACH / ATP01
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Impurities:
Does not contain other components or impurities which will influence the classification of the product.

Reference to other sections:
For more information, see sections 8, 11, 12 and 16.

SUBSTANCES OF VERY HIGH CONCERN (SVHC):
List updated by ECHA on 19/12/2012.
Substances SVHC subject to authorisation, included in Annex XIV of Regulation (EC) no. 1907/2006:
None
Substances SVHC candidate to be included in Annex XIV of Regulation (EC) no. 1907/2006:
1-methyl-2-pyrrolidone , CMR/Repr.Cat.1B (ED/31/2011)



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SECTION 4 : FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST-AID MEASURES AND MAIN SYMPTOMS AND EFFECTS, ACUTE AND DELAYED:

4.2



Symptoms may occur after exposure, so that in case of direct exposure to the product, when in doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Route of exposure	Symptoms and effects, acute and delayed	Description of first-aid measures
<u>Inhalation:</u>	Normally does not produce symptoms.	Should there be any symptoms, transfer the person affected to the open air.
<u>Skin:</u>	In case of prolonged contact, the skin may become dry.	Remove contaminated clothing. Wash thoroughly the affected area with plenty of cold or lukewarm water and neutral soap, or use a suitable skin cleanser. Do not use solvents or thinners.
<u>Eyes:</u>	Contact with the eyes produces redness and pain.	Rinse eyes copiously by irrigation with plenty of clean, fresh water, holding the eyelids apart. Remove contact lenses. Call a physician immediately.
<u>Ingestion:</u>	If swallowed in high doses, may cause gastrointestinal disturbances.	If swallowed, seek medical advice immediately and show container or label.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Antidotes and contraindications: Not available.
Notes to physician: Not available.

SECTION 5 : FIRE-FIGHTING MEASURES

Not combustible.

5.1 EXTINGUISHING MEDIA:
In the case of fire in the surroundings, all extinguishing agents are allowed.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:
Not applicable.

5.3 ADVICE FOR FIREFIGHTERS:
Special protective equipment: Depending on magnitude of fire, heat-proof protective clothing may be required, appropriate independent breathing apparatus, gloves, protective glasses or face masks and boots. If the fire-proof protective equipment is not available or not used, combat fire from a sheltered position or at a safe distance. The standard EN469 provides a basic level of protection for chemical incidents.
Other recommendations: Cool with water the tanks, cisterns or containers close to sources of heat or fire. Bear in mind the direction of the wind. Do not allow fire-fighting residue to enter drains, sewers or water courses.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:
Avoid direct contact with this product.

6.2 ENVIRONMENTAL PRECAUTIONS:
Avoid contamination of drains, surface or subterranean water and soil.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:
Contain and mop up spills with absorbent materials (sawdust, earth, sand, vermiculite, diatomaceous earth, etc.). Finally, clean up the area with plenty of water.

6.4 REFERENCE TO OTHER SECTIONS:
For contact information in case of emergency, see section 1.
For information on safe handling, see section 7.
For exposure controls and personal protection measures, see section 8.
For subsequent waste disposal, follow the recommendations in section 13.



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SECTION 7 : HANDLING AND STORAGE

- 7.1 PRECAUTIONS FOR SAFE HANDLING:
 Comply with the existing legislation on health and safety at work.
General recommendations:
 Avoid any type of leakage or escape. Keep the container tightly closed.
Recommendations for the prevention of fire and explosion risks:
 Not applicable.
Recommendations for the prevention of toxicological risks:
 Do not eat, drink or smoke while handling. After handling, wash hands with soap and water. For exposure controls and personal protection measures, see section 8.
Recommendations for the prevention of environmental contamination:
 It is not considered a danger to the environment. In the case of accidental spillage, follow the instructions indicated in section 6.
- 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:
 Prevent unauthorized access. Keep out of reach of children. If possible, avoid direct contact with sunlight. In order to avoid leakages, the containers, after use, should be closed carefully and placed in a vertical position. For more information, see section 10.
Class of store : According to current legislation.
Temperature interval : min: 5. °C, max: 40. °C
Incompatible materials:
 Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.
Type of packaging:
 According to current legislation.
Limit quantity (Seveso III): Directive 96/82/EC~2003/105/EC:
 Lower threshold: 50 tons , Upper threshold: 200 tons
- 7.3 SPECIFIC END USES:
 For the use of this product do not exist particular recommendations apart from that already indicated.



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SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1

CONTROL PARAMETERS:

If a product contains ingredients with exposure limits, may be necessary a personnel monitoring, work place or biological, to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to EN689 standard concerning methods for assessing the exposure by inhalation to chemical agents and national guidance documents for methods for the determination of dangerous substances.

OCCUPATIONAL EXPOSURE LIMIT VALUES (TLV)

AGCIH 2011

1-methyl-2-pyrrolidone

TLV-TWA		TLV-STEL	
ppm	mg/m3	ppm	mg/m3
25.	103.	75.	309.

Year

Recommended
Dermal

TLV - Threshold Limit Value, TWA - Time Weighted Average, STEL - Short Term Exposure Limit.

Vía dérmica:

Indica que, en las exposiciones a esta sustancia, la aportación por la vía cutánea, incluyendo las membranas mucosas y los ojos, puede resultar significativa para el contenido corporal total si no se adoptan medidas para prevenir la absorción. Hay algunos agentes químicos para los cuales la absorción por vía dérmica, tanto en estado líquido como en fase de vapor, puede ser muy elevada, pudiendo ser esta vía de entrada de igual o mayor importancia incluso que la vía inhalatoria. En estas situaciones, es imprescindible la utilización del control biológico para poder cuantificar la cantidad global absorbida de contaminante.

BIOLOGICAL LIMIT VALUES:

Not established

NIVEL SIN EFECTO DERIVADO (DNEL):

Derived no-effect level (DNEL) is a level of exposure that is considered safe, derived from toxicity data according to specific guidances included in REACH. DNEL values may differ from a occupational exposure limit (OEL) for the same chemical. OEL values may come recommended by a particular company, a government regulatory agency or an organization of experts. Although considered protective of health, the OEL values are derived by a process different of REACH.

Derived no-effect level (DNEL) for general population:

- Local effects, acute and chronic:

Not available

- Systemic effects, acute and chronic:

1-methyl-2-pyrrolidone

(a) - Acute, short-term exposure, (c) - Chronic, long-term or repeated exposure.

DNEL Oral
mg/kg bw/d

6.30(c)

DNEL Cutaneous
mg/cm2

mg/kg bw/d

125.(a)

11.9(c)

DNEL Inhalation
mg/m3

mg/m3

80.0(a)

12.5(c)

Derived no-effect level (DNEL) for workers:

- Local effects, acute and chronic:

Not available

- Systemic effects, acute and chronic:

1-methyl-2-pyrrolidone

(a) - Acute, short-term exposure, (c) - Chronic, long-term or repeated exposure.

DNEL Oral
mg/kg bw/d

mg/kg bw/d

DNEL Cutaneous
mg/cm2

mg/kg bw/d

208.(a)

19.8(c)

DNEL Inhalation
mg/m3

mg/m3

80.0(a)

40.0(c)

PREDICTED NO-EFFECT CONCENTRATION (PNEC):

- Fresh water, marine and wastewater treatment plants:

1-methyl-2-pyrrolidone

PNEC Fresh water
mg/l

0.250

PNEC Marine
mg/l

0.0250

PNEC STP
mg/l

10.0

- Soil, sediments and effects to humans via the environment:

1-methyl-2-pyrrolidone

PNEC Soil
mg/kg dry weight

0.138

PNEC Sediments
mg/kg dry weight

1.42

PNEC Oral
mg/kg bw/d

1.67



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8.2 EXPOSURE CONTROLS:

ENGINEERING MEASURES:



Provide adequate ventilation.

Protection of respiratory system:

Not applicable.

Protection of eyes and face:

Protection of hands and skin:

OCUPATIONAL EXPOSURE CONTROLS: Directive 89/686/EEC~96/58/EC:

Mask: Advisable.

Goggles: Advisable.



Face shield: No.

Gloves: Advisable.

Boots: No.

Apron: No.

Clothing: No.

Thermal hazards:

Not applicable.

ENVIRONMENTAL EXPOSURE CONTROLS:

Avoid any spillage in the environment.

Spills on the soil: Prevent contamination of soil.

Spills in water: Do not empty into drains.

Emissions to the atmosphere: Substance with very low volatility.

VOC (product ready for use*): It is applicable the Directive 2004/42/EC, on the limitation of emissions of volatile compounds due to the use of organic solvents: PAINTS AND VARNISHES (defined in the Directive 2004/42/EC, Annex I.1): Emission subcategory e) Trim varnish for wood, water-borne. (VOC max. 130. g/l* starting from 01.01.2010).

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SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1	<p><u>INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:</u></p> <p><u>Appearance</u></p> <ul style="list-style-type: none"> - Physical state : Liquid. - Colour : Colourless. - Odour : Characteristic - Odour threshold : Not available (mixture). <p><u>pH-value</u></p> <ul style="list-style-type: none"> - pH : 8. at 20°C <p><u>Change of state</u></p> <ul style="list-style-type: none"> - Freezing point : Not available - Initial boiling point : > 100. °C at 760 mmHg <p><u>Density</u></p> <ul style="list-style-type: none"> - Relative density : 1.043 at 20/4°C Relative water <p><u>Stability</u></p> <ul style="list-style-type: none"> - Decomposition temperature : Not applicable <p><u>Viscosity:</u></p> <ul style="list-style-type: none"> - Dynamic viscosity : 25. Poise 20°C <p><u>Volatility:</u></p> <ul style="list-style-type: none"> - Vapour pressure : 17.3 mmHg at 20°C - Vapour pressure : 12.1 kPa at 50°C <p><u>Solubility(ies)</u></p> <ul style="list-style-type: none"> - Solubility in water: : Miscible - Solubility in oils and fats: : Not applicable <p><u>Flammability:</u></p> <ul style="list-style-type: none"> - Flash point : Not flammable - Autoignition temperature : Not applicable <p><u>Explosive properties:</u> Not available.</p> <p><u>Oxidizing properties:</u> Not available.</p>
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9.2	<p><u>OTHER INFORMATION:</u></p> <ul style="list-style-type: none"> - Solids : 31.3 % Volume - VOC (supply) : 32.0 g/l <p>The values indicated do not always coincide with product specifications. The data for the product specifications can be found in the technical data sheet of the same. For additional information concerning physical and chemical properties related to safety and environment, see sections 7 and 12.</p>
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SECTION 10 : STABILITY AND REACTIVITY

10.1	<p><u>REACTIVITY:</u> Not available. <u>Pyrophorical properties:</u> No es pirofórico.</p>
10.2	<p><u>CHEMICAL STABILITY:</u> Stable under recommended storage and handling conditions.</p>
10.3	<p><u>POSSIBILITY OF HAZARDOUS REACTIONS:</u> Possible dangerous reaction with oxidizing agents.</p>
10.4	<p><u>CONDITIONS TO AVOID:</u> <u>Light:</u> If possible, avoid direct contact with sunlight. <u>Air:</u> Not applicable. <u>Pressure:</u> Not applicable. <u>Shock:</u> Not applicable.</p>
10.5	<p><u>INCOMPATIBLE MATERIALS:</u> Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.</p>
10.6	<p><u>HAZARDOUS DECOMPOSITION PRODUCTS:</u> As consequence of thermal decomposition, hazardous products may be produced.</p>



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SECTION 11 : TOXICOLOGICAL INFORMATION

No experimental toxicological data on the preparation is available. The toxicological classification for these preparation has been carried out by using the conventional calculation method of the Directive 1999/45/EC~2006/8/EC.

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:

ACUTE TOXICITY:

Dose and lethal concentrations

for individual ingredients :

1-methyl-2-pyrrolidone

No observed adverse effect level

Not available

Lowest observed adverse effect level

Not available

DL50 (OECD 401)

mg/kg oral

3914. Rat

DL50 (OECD 402)

mg/kg cutaneous

8000. Rabbit

CL50 (OECD 403)

mg/m³ 4hours inhalation

5100. Rat

SPECIFIC TARGET ORGANS TOXICITY (STOT):

Not classified as a dangerous product for target organs (based on available data, the classification criteria are not met).

CMR EFFECTS:

Carcinogenic effects: Is not considered as a carcinogenic product.

Genotoxicity: Is not considered as a mutagenic product.

Toxicity for reproduction: Do not harm fertility. Do not harm the fetus developping.

Effects via lactation: Not classified as a hazardous product for children breast-fed.

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE:

Routes of exposure: May be absorbed by inhalation of vapour, through the skin and by ingestion.

Short-term exposure: May irritate the eyes and skin.

Long-term or repeated exposure: Repeated or prolonged contact may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

ADDITIONAL INFORMATION:

Not available.



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SECTION 12 : ECOLOGICAL INFORMATION

No experimental ecotoxicological data on the preparation as such is available. The ecotoxicological classification for these preparation has been carried out by using the conventional calculation method of the Directive 1999/45/EC~2006/8/EC.

12.1	<p><u>TOXICITY:</u> for individual ingredients : 1-methyl-2-pyrrolidone <u>No observed effect concentration.</u> Not available <u>Lowest observed effect concentration.</u> Not available</p>	<p><u>CL50 (OECD 203)</u> mg/L96hours 832. Fishes</p>	<p><u>CE50 (OECD 202)</u> mg/L48hours 4900. Daphnia</p>	<p><u>CE50 (OECD 201)</u> mg/L72hours 500. Algae</p>
12.2	<p><u>PERSISTENCE AND DEGRADABILITY:</u> Not available.</p>			
12.3	<p><u>BIOACCUMULATIVE POTENTIAL:</u> Not available.</p>			
12.4	<p><u>MOBILITY IN SOIL:</u> Not available.</p>			
12.5	<p><u>RESULTS OF PBT AND MPMB ASSESMENT:</u> Not applicable.</p>			
12.6	<p><u>OTHER ADVERSE EFFECTS:</u> <u>Ozone depletion potential:</u> Not available. <u>Photochemical ozone creation potential:</u> Not available. <u>Earth global warming potential:</u> Not available. <u>Endocrine disrupting potential:</u> Not available.</p>			

SECTION 13 : DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS: Directive 2008/98/EC:
Take all necessary measures to prevent the production of waste whenever possible. Analyse possible methods for revaluation or recycling. Do not discharge into drains or the environment, dispose of at an authorised waste collection point. Waste should be handled and disposed of in accordance with current local and national regulations. For exposure controls and personal protection measures, see section 8.

Disposal of empty containers: Directive 94/62/EC~2005/20/EC, Decision 2000/532/EC:
Emptied containers and packaging should be disposed of in accordance with currently local and national regulations. The classification of packaging as hazardous waste will depend on the degree of emptying of the same, being the holder of the residue responsible for their classification, in accordance with Chapter 15 01 of Decision 2000/532/EC., and forwarding to the appropriate final destination. With contaminated containers and packaging, adopt the same measures as for the product in itself.

Procedures for neutralising or destroying the product:
Authorised landfill in accordance with local regulations.

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SECTION 14 : TRANSPORT INFORMATION

14.1	<u>UN NUMBER:</u> Not applicable
14.2	<u>UN PROPER SHIPPING NAME:</u> Not applicable
14.3 14.4	<u>TRANSPORT HAZARD CLASS(ES) AND PACKING GROUP:</u> <u>Transport by road (ADR 2013):</u> <u>Transport by rail (RID 2013):</u> Not reglamented <u>Transport by sea (IMDG 35-10):</u> Not reglamented <u>Transport by air (ICAO/IATA 2012):</u> Not reglamented <u>Transport by inland waterways (ADN):</u> Not reglamented
14.5	<u>ENVIRONMENTAL HAZARDS:</u> Not applicable.
14.6	<u>SPECIAL PRECAUTIONS FOR USER:</u> Not applicable.
14.7	<u>TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE:</u> Not applicable.

SECTION 15 : REGULATORY INFORMATION

15.1	<u>EU SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC:</u> Las reglamentaciones aplicables a este producto se mencionan a lo largo de esta ficha de datos de seguridad. <u>VOC information on the label:</u> Contains VOC max. 33. g/l - The limit value 2004/42/CE-IIA cat. e) for the product ready for use is VOC max. 130. g/l (2010). <u>OTHER REGULATIONS:</u> Not available
15.2	<u>CHEMICAL SAFETY ASSESSMENT:</u> Not applicable (mixture).



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SECTION 16 : OTHER INFORMATION

16.1 TEXT OF THE PHRASES AND NOTES REFERENCED IN SECTIONS 2 AND/OR 3:
R-phrases according the Directive 67/548/EEC-2001/59/EC (DSD), Annex III:
 R61 May cause harm to the unborn child. R36/37/38 Irritating to eyes, respiratory system and skin.
Hazard statements according the Regulation (EC) No. 1272/2008-790/2009 (CLP), Annex III:
 H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H360oD May damage the unborn child if swallowed.

MAIN LITERATURE REFERENCES AND SOURCES FOR DATA:
 · European Chemicals Bureau: Existing Chemicals, <http://ecb.jrc.ec.europa.eu/esis/>
 · Industrial Solvents Handbook, Ibert Mellan (Noyes Data Co., 1970).
 · Threshold Limit Values, (AGCIH, 2011).

MATERIAL SAFETY DATA SHEET REGULATIONS:
 Material Safety Data Sheet in accordance with Article 31 of Regulation (EC) No. 1907/2006 (REACH) and Annex I of Regulation (EU) No. 453/2010.

HISTORY: Revision:
 Version: 6 10/07/2013
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The information of this Material Safety Data Sheet, is based on the present state of knowledge and on current UE and national laws, as the users' working conditions are beyond our knowledge and control. The product is not to be used for other purposes than those specified, without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this Material Safety Data Sheet is meant as a description of the safety requirements of the product and it is not to be considered as a guarantee of the product's properties.