

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

1.1. Product identifier

Trade name / designation : IPERBOND MAX
 Article No (user) : IBONDMAX5

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

Relevant identified uses : Dental product

1.3. Details of the supplier of the safety data sheet

Supplier : ITENA CLINICAL
 Street: 83, Avenue Foch
 Postal code / City: 75116 Paris
 Country: France
 Telephone: [+33 1 45 91 30 06](tel:+33145913006)
 Telefax: [+ 33 1 45 91 61 31](tel:+33145916131)
 E-mail: contact@itena-clinical.com




1.4 Emergency Telephone Number

In England and Wales: dial 111 (NHS 111), In Scotland: dial 111 (NHS 24), In Northern Ireland: Contact your local GP or pharmacist during normal hours. During GP Out-of-Hours (www.gpoutofhours.hscni.net/): Belfast HSC Trust, (North & West) 028 9074 4447, (South & East) 028 9079 6220 South Eastern HSC Trust, (North Down & Ards) 028 9182 2344, (Lisburn & Downpatrick) 028 9260 2204, Dalriada Urgent Care (Northern Trust area) 028 2566 3500, Southern HSC Trust 028 3839 9201, Western Urgent Care 028 7186 5195 Not available

SECTION 2: Hazards identification


2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

	Classification	Hazard statements	
	Skin Irrit. 2	H315	Causes skin irritation
	Skin Sens. 1	H317	May cause an allergic skin reaction
	Eye Irrit. 2	H319	Causes serious eye irritation
	Aquatic Chronic 3	H412	Harmful to aquatic life with long lasting effects

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms	
Signal word	Warning
Product identifiers	-
Hazard Statements	H315 - Causes skin irritation H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation H412 - Harmful to aquatic life with long lasting effects
Supplemental Hazard information (EU)	-
Precautionary Statements - General	-
Precautionary Statements - Prevention	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

Precautionary Statements - Response

Precautionary Statements - Storage

Precautionary Statements - Disposal

P273 - Avoid release to the environment.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

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

P321 - Specific treatment (see ... on this label).

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

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P501 - Dispose of contents/container to ...

2.3. Other hazards

Not available

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance	C (%)	Classification	Specific concentration limits	Note
2-hydroxyethyl methacrylate CAS N°:868-77-9 EC N°:212-782-2 IDX N°:607-124-00-X	10.0% ≤C≤ 25.0%	Eye Irrit. 2: H319 Skin Irrit. 2: H315 Skin Sens. 1: H317	-	-
10-MDP CAS: 85590-00-7	10.0% ≤C≤ 25.0%	Eye Irrit. 2: H319 STOT SE 3: H335 Skin Irrit. 2: H315		
2-Propenoic acid, 2-methyl-, 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxo- 5,12-diazahexadecane-1,16-diyl ester CAS N°:72869-86-4 EC N°:276-957-5 IDX N°:607-134-00-4	10.0% ≤C≤ 25.0%	Eye Irrit. 2: H319 STOT SE 3: H335 Skin Irrit. 2: H315	STOT SE 3; H335: C ≥ 10 %	-
ethanol CAS N°:64-17-5 EC N°:200-578-6 IDX N°:603-002-00-5	10.0% ≤C≤ 25.0%	Flam. Liq. 2: H225	-	[1]
2-Propenoic acid, 2-methyl-, 2-hydroxy- 1,3-propanediyl ester CAS N°:1830-78-0 EC N°:217-388-4 IDX N°:607-134-00-4	2.5% ≤C≤ 10.0%	Eye Irrit. 2: H319 STOT SE 3: H335 Skin Irrit. 2: H315	STOT SE 3; H335: C ≥ 10 %	-
2-[(2-methyl-1-oxoallyl)oxy]ethyl 1,3- dihydro-1,3-dioxoisobenzofuran-5- carboxylate CAS N°:70293-55-9 EC N°:274-547-0 IDX N°:	2.5% ≤C≤ 10.0%	Acute Tox. 4: H302 Skin Irrit. 2: H315 Skin Sens. 1: H317 Eye Irrit. 2: H319	-	-
diphenyl(2,4,6- trimethylbenzoyl)phosphine oxide CAS N°:75980-60-8 EC N°:278-355-8 IDX N°:015-203-00-X	C< 2.5%	Repr. 2: H361	-	-
dl-bornane-2,3-dione CAS N°:10373-78-1 EC N°:233-814-1 IDX N°:	C< 2.5%	Acute Tox. 4: H302 Eye Dam. 1: H318	-	-

[1] Substance for which maximum workplace exposure limits are available.

3.2. Mixtures

The mixture does not contain any substances classified as Substances of Very High Concern (SVHC) by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

3.3. Remark

Text phrases and H- EUH-: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	:	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Do not leave affected person unattended.
Following inhalation	:	Remove person to fresh air and keep comfortable for breathing. In case of respiratory tract irritation, consult a physician.
Following skin contact	:	In case of skin irritation, consult a physician. After contact with skin, wash immediately with plenty of water and soap.
Following eye contact	:	In case of eye irritation consult an ophthalmologist. Rinse immediately carefully and thoroughly with eye-bath or water.
Following ingestion	:	Call a physician immediately.
Self-protection of the first aider	:	First aider: Pay attention to self-protection!

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

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

Notes for the doctor	:	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	:	Foam Extinguishing powder Carbon dioxide (CO2)
Unsuitable extinguishing media	:	Strong water jet

5.2. Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

Do not inhale vapors and fumes. Co-ordinate fire-fighting measures to the fire surroundings. Move undamaged containers from immediate hazard area if it can be done safely. Use caution when applying carbon dioxide in confined spaces. carbon dioxide can displace oxygen. Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation.

6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Treat the recovered material as prescribed in the section on waste disposal. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Wipe up with absorbent material (eg. cloth, fleece).

6.4. Reference to other sections

Safe handling: see section 7 Disposal: see section 13 Personal protection equipment: see section 8

6.5. Additional information

Not available

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Protective measures

Avoid contact with skin, eyes and clothes. Wear personal protective clothing (see section 8). Use only in well-ventilated areas.

Advices on general occupational hygiene

Wash hands before breaks and after work. Work in well ventilated zones or use proper respiratory protection.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry, cool, and well-ventilated place. Protect from direct sunlight. Store between 2 and 25°C

Requirements for storage rooms and vessels

Use isolated drainage to prevent discharge to soil. Ensure adequate ventilation of the storage area.

Advice on joint storage

Keep away from food, drink and animal feedingstuffs.

7.3. Specific end uses

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Occupational exposure limits

Substance	Value	Unit	Type
ethanol CAS: 64-17-5 (IE)	1,000	ppm	Exposure limit (15 minutes)
ethanol CAS: 64-17-5 (GB)	1,920	mg/m ³	Exposure limit (8 hours)
ethanol CAS: 64-17-5 (GB)	1,000	ppm	Exposure limit (8 hours)

8.2. Exposure controls

Appropriate engineering controls

Not available

Personal protection equipment



Eye/face protection

: Suitable eye protection: Wear eye protection equipment.

Recommended eye protection articles: Eye glasses

Skin protection

: Hand protection: Suitable gloves type: Wear protective gloves.

Hand protection: Suitable material: NBR (nitrile rubber) BR (butyl rubber)

Hand protection: Additional hand protection measures.: Do not wear gloves near machines and rotating tools. Use gloves only once.

Hand protection: Remark: When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Breakthrough times and swelling properties of the material must be taken into consideration.

Body protection: Suitable protective clothing: Lab coat.

Respiratory protection

: Respiratory protection necessary at: Not necessary if room is well-ventilated

8.3. Additional information

Not available

SECTION 9: Physical and chemical Properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Yellow
Odour:	Alcohol

Odour threshold:
PH: 2.5
Melting point/freezing point:
Initial boiling point and boiling range: 205-208°C
Flash point: 97°C
Evaporation rate:
Flammability:
Upper/lower flammability or explosive limits:
Vapour pressure: = 1.3 hPa
Vapour density:
Relative density: = 1.07 g/cm³
Solubility(ies):
Partition coefficient: n-octanol/water (Log KOC):
Auto-ignition temperature:
Decomposition temperature:
Viscosity: = 150 mPas
Explosive properties:
Oxidising properties:

9.2. Other safety information

Not available

SECTION 10: Stability and Reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

Exothermic polymerization

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

In presence of radical formers (e. g. peroxides), deoxidizing substances, and/or heavy metal ions, polymerization with heat release is possible

10.6. Hazardous decomposition products

Not available

10.7. Additional information

Not available

SECTION 11: Toxicological information

11.1. Acute oral toxicity

Data for mixture

Not available

Substances

ethanol (CAS: 64-17-5)

Species : Rat
 Guideline : OECD Guideline 401 (Acute Oral Toxicity)

subendpoint	Operator	Value	Unit
LD50	=	10470	mg/kg bw

11.2. Acute skin toxicity

Data for mixture

Not available

Substances

Not available

11.3. Acute inhalation toxicity

Data for mixture

Not available

Substances

ethanol (CAS: 64-17-5)

Species : Rat
Guideline : Other

subendpoint	Results/Sex	Operator	Value	Unit
LC50	-	=	117	mg/L

11.4. Skin corrosion

Data for mixture

Not available

Substances

Not available

11.5. Eye damage

Data for mixture

Not available

Substances

Not available

11.6. Skin sensitisation

Data for mixture

Not available

Substances

Not available

11.7. STOT RE

Data for mixture

Not available

Substances

Not available

11.8. STOT SE

Data for mixture

Not available

Substances

Not available

11.9. STOT RE

Data for mixture

Not available

Substances

Not available

11.10. Carcinogenicity

Data for mixture

Not available

Substances

Not available

11.11. Reproductive and Developmental Toxicity

Data for mixture

Not available

Substances

Not available

11.12. Genotoxicity

Data for mixture

Not available

Substances

Not available

11.13. In vitro genotoxicity

Data for mixture

Not available

Substances

Not available

11.14. Respiratory sensitisation

Data for mixture

Not available

Substances

Not available

Additional information

Substances

Not available

Data for mixture

Not available

SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data available

12.7. Additional ecotoxicological information

Not available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal

Waste codes / waste designations according to EWC / AVV: The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Waste treatment options: Appropriate disposal / Product: Dispose of waste according to applicable legislation. After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.

Waste treatment options: Appropriate disposal / Package: Handle contaminated packages in the same way as the substance itself. Dispose of waste according to applicable legislation.

Other disposal recommendations: Do not allow product to reach sewage system.

Remark: For recycling, contact manufacturer. Collect the waste separately. Consult the appropriate authorities about waste disposal. Do not mix with other wastes. The waste is to be kept separate from other types of waste until its disposal.

13.2. Additional information

Not available

SECTION 14: Transport information

14.1. UN number

Not available

14.2. UN proper shipping name

Not available

14.3. Transport hazard class(es)

Not available

14.4. Packing group

Not available

14.5. Environmental hazards

Not available

14.6. Special precautions for user

Not available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not available

14.8. Additional information

Not available

SECTION 15: Regulatory information

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

This SDS has been established in accordance with REACH regulation, including its amendments: REACH Regulation (EC) No 1907/2006. This SDS has been established in accordance with CLP regulation, including its amendments: CLP Regulation EC No. 1272/2008.

Not available--]

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15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier. For this substance/ mixture a chemical safety assessment has been elaborated. For this mixture, the relevant data of the Substances' Chemical safety assessment are integrated in the sections of the SDS.

15.3. Additional information

Not available

SECTION 16: Other information

Creation date:	25/03/2020
Version date:	25/03/2020
Printing date:	25/03/2020

16.1. Indication of changes

Not applicable (first edition of the MSDS).

16.2. Abbreviations and acronyms

ADN / ADNOR: Regulations concerning the transport of dangerous substances in barges on the waterways. ADR / RID: European Agreement concerning the International Carriage of Dangerous Goods by Road / Regulations concerning the international carriage of dangerous goods by rail. CAS: Chemical Abstract Service Number IATA: International Air Transport Association IMDG: International Maritime Dangerous Goods Code DPD Dangerous Preparation Directive UN number: United Nations number No EC: European Commission Number CLP: Classification, labeling and packaging VPvB: very persistent and very bioaccumulative substances

16.3. Key literature references and sources for data

No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Classification of the mixture is in accordance with the evaluation method described in Regulation (EC) No 1272/2008.

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

H225	Highly flammable liquid and vapour
H302	Harmful if swallowed
H315	Causes skin irritation
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H361	Suspected of damaging fertility or the unborn child
H412	Harmful to aquatic life with long lasting effects

16.6. Training advice

Not available

16.7. Additional information

Not available

The information given in this Safety Data Sheet is based on our present knowledge and on european and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.