

Doc. No. RA-BO-SDS-028, Rev.01
Printing date: January 5, 2020

Reviewed on January 5, 2020

Trade name: Infinix Universal Bond

SECTION 1: Identification

1.1 Product identifier:

Trade name: Infinix Universal Bond

Catalogue numbers:

1.2 Recommended use and restrictions on use:

Recommended use

Dental product, Dental bonding material

Restrictions on use

For professional use only

1.3 Supplier's details:

Nobio Ltd.

8 Hamatechet St POB 5052

Kadima 6092000

Israel

1.4 Emergency phone number and address:

8 Hamatechet St. POB 5052 Kadima, Israel, Tel: +972-9-7893000

SECTION 2: Hazards identification

This document has been prepared in accordance with the U.S. OSHA Hazard Communication Standard, which requires the inclusion of all known hazards of the product or ingredients regardless of the potential risk. The risks of the hazards communicated in this document may vary depending on the potential for exposure.

2.1 Hazard classification

Serious eye damage/irritation: category 2B.

Skin sensitizer: Category 1.

Skin sensitizer: May cause an allergic reaction

2.2 Label elements

Signal word: Warning

Symbols: Exclamation mark |

Pictograms



2.3 Precautionary statements

Prevention:

Wear protective gloves.

Trade name: Infinix Universal Bond

Wash thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.

Response:

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

If eye irritation persists: Get medical advice/attention.

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

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

Disposal:

Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

SECTION 3: Composition/information on ingredients

Ingredient	CAS #	% by Wt
Urethane dimethacrylate (UDMA)	72869-86-4	10-20 Trade Secret *
Camquinone (CQ)	10373-78-1	0.2-2 Trade Secret *
Benzoin methyl ether (BME)	3524-62-7	0.2-2 Trade Secret *
Butylated hydroxytoluene (BHT)	128-37-0	<1 Trade Secret *
4-ethyl dimethylamino benzoate (EDB)	10-28-7-53-3	0.2-2 Trade Secret *
Bisphenol a glycidyl methacrylate (BisGMA)	1565-94-2	20-50 Trade Secret *
Triethyleneglycol dimethacrylate (TEGDMA)	109-16-0	20-50 Trade Secret *
Ethanol (ABS) dehydrated	64-17-5	1-10 Trade Secret *
QASi	N/A	0.5-2.0 Trade Secret *

*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

Remove person to fresh air. If you feel unwell, get medical attention.

Skin Contact:

Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

Eye Contact:

Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

Doc. No. RA-BO-SDS-028, Rev.01

Printing date: January 5, 2020

Reviewed on January 5, 2020

Trade name: Infinix Universal Bond

If Swallowed:

Rinse mouth. If you feel unwell, get medical attention.

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

Not applicable

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

Not applicable

SECTION 5: Firefighting measures

5.1 Suitable extinguishing media

In case of fire: use regular fight agents as water, foam, CO₂ or powder.

5.2 Specific hazards arising from the substance or mixture:

Not applicable.

5.3 Special protective equipment and precautions for fire-fighters

No special measures needed.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

No special measures needed.

6.2 Environmental precautions

No special measures needed.

6.3 Methods and materials for containment and cleaning

Use wet wipes to clean the spilled material.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

This product is for use by dental professionals only. Use only with dedicated clean tools. Wear personal protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Store in the original package and under the recommended conditions found on the package.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

The product does not contain any material at the quantities that has to be monitored at the workplace.

Doc. No. RA-BO-SDS-028, Rev.01

Printing date: January 5, 2020

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Trade name: Infinix Universal Bond

8.2 Personal protective equipment

Wear protective gloves, use eye protective glasses.

Use in well-ventilated area.

SECTION 9: Physical and chemical properties

9.1 Appearance

Physical form	Liquid
Odor	Odorless
Odor threshold	Not applicable
pH	Not applicable
Melting point	No data available
Boiling point	No data available
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Not determined
Upper/lower flammability	Not applicable
Vapor pressure	Not applicable
Vapor density	Not applicable
Relative density	Not determined
Density	1.1gr/cm ³
Solubility in water	Not miscible or difficult to mix
Solubility in solvents	Not miscible or difficult to mix
Partition coefficient	Not determined
Autoignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	Not determined

SECTION 10: Stability and reactivity

10.1 Reactivity

No reactivity is known under normal use condition.

10.2 Chemical stability

Stable.

Polymerization may occur when exposed to light.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

Do not expose to heat and light.

10.5 Incompatible materials

Not known.

10.6 Hazardous decomposition products

Trade name: Infinix Universal Bond

None under recommended storage conditions.

SECTION 11: Toxicological information

The information below is represented in accordance with U.S. OSHA Hazard Communication Standard and discloses the whole list of known hazards based on the ingredients lists. The hazards list below is relevant to uncured product. Properly cured product is safe for use.

11.1 Information on toxicological effect

Component name	LD50	Symptoms
Urethane dimethacrylate (UDMA)	Not available	Oral: can cause irritation, Symptoms may include redness, irritation and watering. Skin contact: liquid or high vapor concentration may cause irritation, including redness and swelling. It may also cause sensitization and allergic reaction in some individuals resulting in contact dermatitis, sever irritation, dryness and cracking. Inhalation : in a suspect slight respiratory tract irritation hazard if used at elevated temperature or processes which generate an aerosol or mist. Symptoms of irritation may include coughing, mucous production and shortness of breath. Ingestion: may be irritating if product is swallowed; may cause nausea, headache, vomiting, diarrhea and/or central nervous system effects.
Bisphenol a glycidyl methacrylate (BisGMA)	Not available	Eye contact: cause serious eye irritation Skin contact: causes skin irritation Inhalation: may cause irritation of respiratory tract Ingestion: may cause irritation of gastrointestinal tract
Triethyleneglycol dimethacrylate (TEGDMA)	10837 mg/kg (Oral, Rat)	Eye contact: cause serious eye irritation Skin contact: causes skin irritation Inhalation: may cause irritation of respiratory tract Ingestion: may cause irritation of gastrointestinal tract
Nobio particles	Not available	Not available

11.2 Delayed and immediate effects and also chronic effects from short and long term exposure

None of the components of this product is reported as mutagens or carcinogens in humans.

None of the components of this product is reported as producing embryotoxic, reproductive, teratogenic effect in humans.

None of the components of this product is reported to cause chronic toxicity in humans.

11.3 Numerical measures of toxicity

This product has not been tested on animals to obtain toxicology data.

Doc. No. RA-BO-SDS-028, Rev.01

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SECTION 12: Ecological information

12.1 Ecotoxicity

No further relevant information available regarding toxicity.

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 Other adverse effects

No further relevant information available.

SECTION 13: Disposal considerations

13.1 Disposal of waste residues and information on their safe handling

Dispose any waste accordingly to local regulations.

SECTION 14: Transport information

Keep in a cool and dry place 15°C/59°F - 25°C/77°F

SECTION 15: Regulatory information

For regulatory information, please contact the supplier address found in section 1 of this SDS.

SECTION 16: Other information

For more information please contact the supplier address found in section 1 of this SDS

Or visit <https://www.nobio.com>