

SAFETY DATA SHEET**CHEMICAL SUBSTANCE / MIXTURE
REGULATION (EC) No1907/2006 AS AMENDED BY REGULATION (EU) No 453/2010****SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY****1.1. Product identifiers**

Product names	i-BONDING LC^N
Chemical name	-
Identified uses	Light curing adhesive

1.2. Details of the supplier of the safety data sheet

Company	UAB "Medicinos linija"
Address	Karaliaučiaus str. 29 LT-78374 Šiauliai, Lithuania
Telephone	+370 41 553 553
Fax	+370 41 553 551
E-mail address	dental@i-dental.lt

1.3. Emergency telephone number

Emergency telephone number (Available only during office hours)	+370 41 553 553
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SECTION 2: HAZARDS IDENTIFICATION**2.1. Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]**

Skin Irrit. 2
Skin Sens.1
Flam. Liq. 2
Eye Irrit. 2
STOT SE 3

2.2. Label elements**Pictograms****Signal word** **Danger****Hazard statements**

H315: Causes skin irritation
H317: May cause an allergic skin reaction
H225: Highly flammable liquid and vapour
H319: Causes serious eye irritation
H336: May cause drowsiness or dizziness
EUH066: Repeated exposure may cause skin dryness or cracking

Precaution statements (prevention)

P210: Keep away from heat/sparks/open flames/hot surfaces. — No smoking
P233: Keep container tightly closed.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray
P264: Wash hands thoroughly after handling
P272: Contaminated work clothing should not be allowed out of the workplace
P280: Wear protective gloves/protective clothing/eye protection/face protection

Precaution statements (response)

P302+P352: IF ON SKIN: Wash with plenty of soap and water
P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P321: Specific treatment (see section 4 on this label).
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P362: If skin irritation or rash occurs: Get medical advice/attention.
P363: Wash contaminated clothing before reuse

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Information on hazardous ingredients:

Name	CAS No	EC No	Hazard statement	Content, %
Acetone	67-64-1	200-662-2	H225, H319, H336, EUH066	10-30
2-Hydroxyethyl methacrylate	868-77-9	212-782-2	H315, H317, H319	10-20

SECTION 4: FIRST AID MEASURES4.1. **General advice**

In doubt, consult a physician. Show this safety data sheet to the doctor in attendance.

4.2. **If swallowed**

Never give anything by mouth to an unconscious person. Take casualty to the hospital.

If the person is conscious rinse the mouth and spit the fluids out. **Do NOT induce vomiting.** During spontaneous vomiting hold the head of the casualty low with the body in a prone position in order to avoid the penetration of vomit into the air tube. Refer for immediate medical attention.

4.3. **In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Refer for immediate medical attention.

4.4. **If inhaled**

Remove the casualty from the hazardous area and take him to the fresh air. If not breathing, give artificial respiration. Keep warm and at rest. Refer for immediate medical attention.

4.5. **In case of skin contact**

Take off contaminated clothing. Wash off with plenty of water. If symptoms (irritation) occur obtain medical attention. Wash contaminated clothing before reuse.

4.6. **Most important symptoms and effects, both acute and delayed**

No data available.

4.7. **Indication of any immediate medical attention and special treatment needed**

No data available.

SECTION 5: FIRE FIGHTING MEASURES5.1. **Extinguishing media**

Use CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

5.2. **Advice for fire fighters**

Can form explosive gas-air mixtures. Formation of toxic gases is possible during heating or in case of fire. Standard procedure for chemical fires.

5.3. **Special hazards arising from the substance or mixture**

Oxides of phosphorus.

SECTION 6: ACCIDENTAL RELEASE MEASURES6.1. **Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

6.2. **Environmental precautions**

Do not let product enter drains

6.3. **Methods and materials for containment and cleaning up**

Use personal protective equipment when cleaning. Soak up with liquid-binding material (diatomite, universal binders, for small amounts tissues) and dispose. Keep in suitable, closed containers for disposal.

6.4. **Reference to other sections**

For disposal see section 13.

SECTION 7: HANDLING AND STORAGE7.1. **Precautions for safe handling**

Avoid contact with eyes and skin. Use personal protective equipment. Keep tightly closed. Keep away from food, drinks and animal feed. Do not eat, drink or smoke when using this product. Protect against electrostatic charges.

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

Keep in cool, well ventilated place. Keep away from heat and direct sunlight. Storage temperature: Preferably not exceeding 28°C.

7.3. **Specific end uses**

Dental use only.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION8.1. **Exposure limit values**

Occupational Exposure limits

SUBSTANCE	CAS No.	WEL Short-term value	WEL Long-term value
Acetone	67-64-1	3620 mg/m ³ , 1500 ppm	1210 mg/m ³ , 500 ppm

8.2. **Exposure controls**

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. Storage properly (p.7).

Preventive medical check-ups should be arranged.

8.3. **Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.4. **Personal protective equipment**

8.4.1. **Eye/face protection**

Wear eye / face protection equipment. Safety glasses with side-shields, conforming to EN 166.

8.4.2. **Hand protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. For the permanent contact in work areas without heightened risk of injury (e.g. laboratory) gloves made of the following material are suitable: PVC or PE gloves The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

8.4.3. **Skin protection**

Keep working clothes separately. Take off contaminated clothing immediately. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

8.4.4. **Respiratory protection**

Not necessary with efficient local exhaust. If exposition to vapours is possible, use breathing protective mask (filter A).

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. **General information**

Appearance	liquid
Odour	specific of acetone
Colour	yellowish

9.2. **Important health, safety and environment information**

Boiling point	55°C
Flash point	no data available
Water miscibility	partly miscible
Self-inflammability	product is not self-igniting
Danger of explosion	product is not explosive. However, formation of explosive air/vapour mixtures is possible

SECTION 10: STABILITY AND REACTIVITY

10.1. **Stability**

Stable under normal temperature and pressure

10.2. **Conditions to avoid**

Protect from heat and direct sunlight.

10.3. **Materials to avoid**

No data available.

10.4. **Hazard decomposition products**

No data available.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. **Possible dangerous to health effects**

No data available regarding specific product.

11.2. **Inhalation**

No data available.

11.3. **Skin corrosion/irritation**

Irritant effect.

11.4. **Serious eye damage/eye irritation**

Serious irritant effect.

11.5. **Respiratory or skin sensitization**

Irritant. May cause allergic skin reactions.

11.6. **Ingestion**

Irritant.

11.7. **Germ cell mutagenicity**

No data available.

11.8. **Carcinogenicity**

IARC: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

11.9. **Reproductive toxicity**

No data available.

11.10. **Specific target organ toxicity - single exposure**

No data available.

11.11. **Specific target organ toxicity - repeated exposure**

No data available.

11.12. **Aspiration hazard**

No data available.

11.13. **Additional Information**

None of effects are likely to occur in humans, provided exposure is maintained at or below occupational exposure limit.

11.14. **Toxicity data**

No data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1. **Ecotoxicity**

No data available

12.2. **Mobility**

No data available

12.3. **Persistence and degradability**

No data available

12.4. **Bio accumulative potential**

No data available

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

No data available

12.6. **Other adverse effects**

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. **Waste treatment methods**

Disposal should be in accordance with local, state or national legislation. Offer surplus and non-recyclable solutions to a licensed disposal company. Contaminated packaging dispose of as unused product. Do not remove the information from package.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number: 1993

14.2. Proper shipping name: Flammable liquid, n.o.c., acetone, mixture

14.3. Hazard class: 3

14.4. Packing group: II

14.5. Labelling:



SECTION 15: REGULATORY INFORMATION

15.1. This safety datasheet complies with the requirements of Regulation (EC) No 1907/2006 as amended by Regulation (EU) No 453/2010.

15.2. Other Regulations: EINECS: Components of mixture are on the European Inventory of Existing Commercial Chemical Substances.

15.3. This safety data sheet information is not a professional risk assessment.

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

No data available.

15.5. **Chemical Safety Assessment**

No data available.

15.6. **Health, safety and environmental information**

No data available.

SECTION 16: OTHER INFORMATION

16.1. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

16.2. UAB „Medicinos linija“ shall not be held liable for any damage resulting from handling or from contact with the above product.

16.3. The product should not be used for purposes other than specified in p.7.3 purposes.

16.4. User is responsible for the legal, regulatory compliance.

16.5. References to the changes that have been made in comparison with 2009-11-30 version: whole document.

16.6. Abbreviations and acronyms used in the safety data sheet:

16.6.1. EC – European Commission

16.6.2. GHS – Globally Harmonized System

16.6.3. CLP – Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008

16.6.4. CAS No – Chemical Abstracts Service number

16.6.5. EC No – EINECS and ELINCS Number (see also EINECS and ELINCS)

16.6.6. PBT - Persistent, Bio accumulative and toxic substance

16.6.7. VPvB – Very Persistent and Very Bio accumulative

- 16.6.8. ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road
- 16.6.9. UN – United Nations
- 16.6.10. LC50 – Lethal Concentration to 50 % of a test population
- 16.6.11. LD50 – Lethal Dose to 50% of a test population (Median Lethal Dose)

16.7. Key literature references and sources for data: <http://echa.europa.eu>.

16.8. List of relevant hazard statements, safety phrases and/or precautionary statements full text:

Signal word: Danger

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- P363: Wash contaminated clothing before reuse

16.9. Training advice: How to properly handle chemical substances / mixtures employees must be trained in accordance with national requirements.