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## 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/UNDERTAKING

##### 1.1. Product identifier

Product name **dline Light Curing Adhesive**  
Chemical name -

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

Relevant identified uses Dental use only

##### 1.3. Details of the supplier of the safety data sheet

Company UAB "Medicinos linija"  
Address Aviacijos str. 28  
LT-77103 Siauliai, Lithuania  
Telephone +370 41 553 553  
E-mail address [info@i-dental.lt](mailto:info@i-dental.lt)

##### 1.4. Emergency telephone number

Emergency telephone number +370 41 553 553  
(Available only during office hours)

#### SECTION 2: HAZARDS IDENTIFICATION

##### 2.1. Classification of the substance or mixture

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

Flam. Liq. 2  
Acute Tox. 4  
Skin Irrit. 2  
Skin Sens.1  
Eye Irrit. 2  
STOT SE 3

##### 2.2. Label elements

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

###### Pictograms



Signal word **Danger**

###### Hazard statements

H225: Highly flammable liquid and vapour.  
H302: Harmful if swallowed.  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H319: Causes serious eye irritation.  
H335: May cause respiratory irritation.

###### Precautionary statements (prevention)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233: P233: Keep container tightly closed.  
P261: Avoid breathing fume/vapours.  
P264: Wash hands thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.

P272: Contaminated work clothing should not be allowed out of the workplace.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary statements (response)**

P302+P352: IF ON SKIN: Wash with plenty of water.  
P333+P313: If skin irritation or rash occurs: Get medical advice/ attention.  
P362+P364: Take off contaminated clothing and wash before reuse.  
P301+P312: IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.  
P330: Rinse mouth.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313: If eye irritation persists: Get medical advice/attention.  
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**Precautionary statements (disposal)**

P501: Dispose of contents/container to as required by national regulatory requirements.

**2.3. Other hazards**

Not applicable.

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS****3.1. Substances:**

Name	CAS No	EC No	Index No	Hazard statement	Content, %
2-Hydroxyethyl methacrylate	868-77-9	212-782-2	607-124-00-X	Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2, H319	30-50
Acetone	67-64-1	200-662-2	606-001-00-8	Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	10-30
Triethylamine	121-44-8	204-469-4	612-004-00-5	Flam. Liq. 2, H225; Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Corr. 1A, H314; Acute Tox. 4, H332; STOT SE 3, H335	<1

Full text of H- statements: see section 16.

**3.2. Mixtures:**

Not applicable.

**SECTION 4: FIRST AID MEASURES****4.1. Description of first aid measures****4.1.1. General advice**

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

**4.1.2. 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.

**4.1.3. In case of skin contact**

Take off contaminated clothing. Wash off with soap and plenty of water. Consult a physician. Wash contaminated clothing before reuse.

**4.1.4. 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.

**4.1.5. If inhaled**

Remove the casualty from the hazardous area and take him to the fresh air. If the casualty is not breathing: give artificial respiration, notify emergency physician immediately.

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

No data available.

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

No data available.

**SECTION 5: FIRE FIGHTING MEASURES****5.1. Extinguishing media**

Water spray, alcohol resistant foam, dry chemical, carbon dioxide.

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

May form flammable vapours.

**5.3. Advice for fire fighters**

Wear self-contained breathing apparatus for firefighting.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid vapours formation. Avoid breathing vapours. Ensure adequate ventilation. Keep away from sources of ignition. Wash hands thoroughly with soap and water after handling.

- 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 spills with inert absorbent material. Collect spills and put it into appropriated container if it is safe to do. Dispose in a safe manner in accordance with national regulatory requirements.
- 6.4. **Reference to other sections**  
For disposal see section 13.

## SECTION 7: HANDLING AND STORAGE

- 7.1. **Precautions for safe handling**  
Use personal protective equipment when handling. Avoid contact with skin and eyes. Avoid breathing vapours. Take off all contaminated clothing immediately. Wash hands before breaks and immediately after handling the product. Do not smoke, eat or drink in areas of use and storage.
- 7.2. **Conditions for safe storage, including any incompatibilities**  
Keep container tightly closed in a dry, cool and well-ventilated place. Keep away from heat and direct sunlight. Storage temperature: 4-28°C.
- 7.3. **Specific end uses**  
Dental use only.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1. **Control parameters**
- 8.1.1. **Exposure limit values**  
No exposure guidelines have been established for mixture. ACGIH, NIOSH and OSHA have not developed exposure limits for this product.

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

- 8.2. **Exposure controls**  
Provide adequate ventilation. Storage properly (p.7). Preventive medical check-ups should be arranged.
- 8.2.1. **Appropriate engineering controls**  
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
- 8.2.2. **Personal protective equipment**
- 8.2.2.1. **Eye/face protection**  
Wear eye / face protection equipment. Safety glasses with side-shields, conforming to EN 166.
- 8.2.2.2. **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, neoprene, rubber. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
- 8.2.2.3. **Skin protection**  
Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
- 8.2.2.4. **Respiratory protection**  
Wear self-contained breathing apparatus. If you need to protect the airways use respirators, that have been tested and approved by the relevant governmental standards, such as CEN (EU) or NIOSH (USA).
- 8.2.3. **Environmental exposure controls**  
Do not let enter the environment.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- 9.1. **Information on basic physical and chemical properties**
- |                           |                         |
|---------------------------|-------------------------|
| Appearance                | clear, yellowish liquid |
| Odour                     | specific of acetone     |
| Flash point, °C           | 2.5                     |
| Initial boiling point, °C | 53±1                    |

## SECTION 10: STABILITY AND REACTIVITY

- 10.1. **Reactivity**  
No data available.
- 10.2. **Chemical stability**  
Stable under recommended storage conditions.
- 10.3. **Possibility of hazardous reactions**  
No data available.

**10.4. Conditions to avoid**

Protect from heat and direct sunlight.

**10.5. Incompatible materials**

No data available.

**10.6. Hazard decomposition products**

No data available.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects****11.1.1. Acute toxicity**

Acute systemic toxicity (ISO 10993-11) of final device extract in mice by systemic injection. No obvious body weight loss, no clinical signs of toxicity, no animals died during 72 hours observation period.

2-Hydroxyethyl methacrylate Cas No. 868-77-9

Oral LD50 >5000 mg/kg (rat)

Dermal LD50 >5000 mg/kg (rabbit)

Acetone Cas No. 67-64-1

Oral LD50 5800 mg/kg (rat)

Inhalation LC50 76 mg/l 4h (rat)

Dermal LD50 >7400 mg/kg (rat)

Triethylamine Cas No. 121-44-8

Oral LD50 730 mg/kg (rat)

Inhalation LC50 7.1 mg/l 4h (rat)

Dermal LD50 580 mg/kg (rabbit)

**11.1.2. Skin corrosion/irritation**

Intracutaneous reactivity (ISO 10993-10) of final device extract in rabbits by intracutaneous injection. Erythema scores: 0 and oedema scores 0 during 72 hours observation period.

Uncured medical device may cause skin irritation.

**11.1.3. Serious eye damage/eye irritation**

Uncured medical device may cause serious eye irritation.

**11.1.4. Respiratory or skin sensitization**

Uncured medical device may cause an allergic skin reaction.

**11.1.5. Germ cell mutagenicity**

No data available.

**11.1.6. 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.

**11.1.7. Reproductive toxicity**

No data available.

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

No data available.

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

No data available.

**11.1.10. Aspiration hazard**

No data available.

**11.1.11. Additional Information**

No data available.

**SECTION 12: ECOLOGICAL INFORMATION****12.1. Toxicity**

no data available

**12.2. Persistence and degradability**

no data available

**12.3. Bioaccumulative potential**

no data available

**12.4. Mobility in soil**

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. Contaminated packaging dispose of as unused product. Do not remove the information from package.

**SECTION 14: TRANSPORT INFORMATION****14.1. UN number**

ADR/RID: UN2924

IMDG: UN2924

IATA: UN2924

**14.2. UN proper shipping name**



- H335: May cause respiratory irritation.
  - H336: May cause drowsiness or dizziness.
  - P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
  - P233: P233: Keep container tightly closed.
  - P261: Avoid breathing fume/vapours.
  - P264: Wash hands thoroughly after handling.
  - P270: Do not eat, drink or smoke when using this product.
  - P272: Contaminated work clothing should not be allowed out of the workplace.
  - P280: Wear protective gloves/protective clothing/eye protection/face protection.
  - P302+P352: IF ON SKIN: Wash with plenty of water.
  - P333+P313: If skin irritation or rash occurs: Get medical advice/ attention.
  - P362+P364: Take off contaminated clothing and wash before reuse.
  - P301+P312: IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.
  - P330: Rinse mouth.
  - P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - P337+P313: If eye irritation persists: Get medical advice/attention.
  - P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
  - P501: Dispose of contents/container to as required by national regulatory requirements.
- 16.9. Training advice: How to properly handle chemical substances / mixtures employees must be trained in accordance with national requirements.