i-dental Innovative Dental Products

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	**i-DAM**
Chemical name	-

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

Relevant identified uses	For professional use in dentistry 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

1.4. **Emergency telephone number**

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

SECTION 2: HAZARDS IDENTIFICATION

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

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

Acute Tox. 4
Skin Irrit. 2
Skin Sens.1
Eye Irrit. 2

2.2. **Label elements**

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

Pictograms



Signal word **Warning**

Hazard statements
H302: Harmful if swallowed
H315: Causes skin irritation
H317: May cause an allergic skin reaction
H319: Causes serious eye irritation

Precaution statements (prevention)
P261: Avoid beathing dust/fume/gas/mist/vapours/spray
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

Precaution statements (response)
P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell
P330: Rinse mouth
P302+P352: IF ON SKIN: Wash with plenty of soap and water
P333+P313: If skin irritation or rash occurs: Get medical advice/attention
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
P321: Specific treatment: rinse with plenty of water

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

2.3. **Other hazards**
Not applicable.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substance:
Not applicable.

3.2. Mixture:

Name	*CAS No*	*EC No*	*Index No*	*Hazard statement*	*Content, %*
Mixture of (meth)acrylates	-	-	-	Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2, H319	75-100
4-Methoxyphenol	150-76-5	205-769-8	604-044-00-7	Acute Tox. 4, H302; Skin Sens. 1, H317; Eye Irrit. 2, H319	<0.5

Full text of H- statements: see section 16.

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

4.1.3. **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.

4.1.4. **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 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.

4.2. **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**
Use water spray, foam, dry powder or carbon dioxide (CO_2).

5.2. **Special hazards arising from the substance or mixture**
Heating or fire can release toxic gas.

5.3. **Advice for fire fighters**
Wear self-contained breathing apparatus. Evacuate the personnel away from the fumes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. **Personal precautions, protective equipment and emergency procedures**
Use personal protective equipment. Avoid contact with skin and eye. 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. Prevent further leakage or spillage if safe to do so. Keep in suitable, closed containers for disposal. Dispose in a safe manner in accordance with national regulatory requirements. Never return spills in original containers for re-use. Flush area with water.

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. Avoid contact with the skin and the eyes. Remove all sources of ignition. Heat, flames and sparks. Ensure adequate ventilation. Do not eat, drink or smoke when using this product. Wash hands thoroughly with soap and water after handling.

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**
For professional use in dentistry 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.

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**
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.
8.2.2.4. **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	blue/green paste
Odour	specific
Boiling point	no data available
Flash point	no data available
Water solubility	no data available
Self-ignition	no data available
Danger of explosion	no data available

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. Polymerization occurs when exposed to visible light, ultraviolet light or extreme heat.
10.5. **Incompatible materials**
Strong oxidizing agents, acids, bases.
10.6. **Hazard decomposition products**
No data available.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. **Information on toxicological effects**
11.1.1. **Acute toxicity**
No data available.
11.1.2. **Skin corrosion/irritation**
No data available.
11.1.3. **Eye damage/eye irritation**
No data available.
11.1.4. **Respiratory or skin sensitization**

No data available.

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.	**Ecotoxicity**	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. 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**
ADR/RID: Not regulated. IMDG: Not regulated. IATA: Not regulated.

14.2. **UN proper shipping name**
ADR/RID: Not dangerous goods. IMDG: Not dangerous goods. IATA: Not dangerous goods.

14.3. **Transport hazard class(es)**
ADR/RID: - IMDG: - IATA: -

14.4. **Packaging group**
ADR/RID: - IMDG: - IATA: -

14.5. **Environmental hazards**
ADR/RID: NO IMDG Marine pollutant: NO IATA: NO

14.6. **Special precautions for user**
No data available

14.7. **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1. **Safety, health and environmental regulations/legislation specific for the substance or mixture**
This safety datasheet complies with the requirements of Regulation (EC) No 1907/2006 as amended by Regulation (EU) No 453/2010.
Other Regulations: EINECS: Components of mixture are on the European Inventory of Existing Commercial Chemical Substances.
This safety data sheet information is not a professional risk assessment.

15.2. **Chemical Safety Assessment**
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 x version: none.
16.6. Abbreviations and acronyms used in the safety data sheet:
16.6.1. EC – European Commission
16.6.2. EU – European Union
16.6.3. GHS – Globally Harmonized System
16.6.4. CLP – Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
16.6.5. CAS No – Chemical Abstracts Service number
16.6.6. EC No – EINECS and ELINCS Number (see also EINECS and ELINCS)
16.6.7. EINECS – European Inventory of Existing Commercial Substances
16.6.8. ELINCS – European List of Notified Chemical Substances
16.6.9. NIOSH - National Institute for Occupational Safety and Health
16.6.10. IARC – International Agency for Research on Cancer
16.6.11. PBT - Persistent, Bio accumulative and toxic substance
16.6.12. vPvB – Very Persistent and Very Bio accumulative
16.6.13. ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road
16.6.14. RID – Regulations concerning the International Carriage of Dangerous Goods by Rail
16.6.15. US – United States
16.6.16. IMDG – International Marine Dangerous Goods
16.6.17. IATA-DGR – International Air Transport Association Dangerous Goods Regulations
16.6.18. LC50 – Lethal Concentration to 50 % of a test population
16.6.19. 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: Warning
H302: Harmful if swallowed
H315: Causes skin irritation
H317: May cause an allergic skin reaction
H319: Causes serious eye irritation
P261: Avoid breathing dust/fume/gas/mist/vapours/spray
P264: Wash hands thoroughly after handling
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P330: Rinse mouth
P302+P352: IF ON SKIN: Wash with plenty of soap and water
P333+P313: If skin irritation or rash occurs: Get medical advice/attention
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
P321: Specific treatment: rinse with plenty of water
P362+P364: Take off contaminated clothing and wash it before reuse
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.