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-OIL**
Chemical name	-

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

Relevant identified uses	Dental handpieces heads oil

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]**

Flam. Aerosol 1

2.2. **Label elements**

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

Pictograms



Signal word **Danger**

Hazard statements

H222: Extremely flammable aerosol
H229: Pressurized container: may burst if heated

Precaution statements (prevention)

P210: Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P211: Do not spray on an open flame or other ignition source.
P251: Pressurized container: Do not pierce or burn, even after use.

Precaution statements (storage)

P410+P412: Protect from sunlight and do not expose to temperatures exceeding 50˚C/122˚F.
P403: Store in a well-ventilated place.
P102: Keep out of reach of children.

Other hazards

Other hazards: In use, may form flammable / explosive vapour-air mixture.
PBT: This product is not identified as a PBT/vPvB substance.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Information on hazardous ingredients:

Name	*CAS No*	*EC No*	*Index No*	*Hazard statement*	*Content, %*
White mineral oil	8042-47-5	232-455-8	-	H304	30-50

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. Consult a physician.

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 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 mouth with water, spit out the solution residues. **Do not induce vomiting**. Refer for medical attention.

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

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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 extinguishing media appropriate to the surrounding fire conditions.

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

Extremely flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.

5.3. **Advice for fire fighters**

Wear suitable respiratory equipment when necessary. Wear protective clothing to prevent contact with skin and eyes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. **Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation of the working area. eliminate all sources of ignition. If outside do not approach from downwind.

6.2. **Environmental precautions**

Do not discharge into drains or rivers. Contain the spillage using bunding.

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

Absorb into dry earth or sand. Do not use equipment in clean-up procedure which may produce sparks. Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

6.4. **Reference to other sections**

For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. **Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of high concentrations of vapours. Use only in cool well-ventilated areas. Material is highly flammable; it must be kept from sources of ignition and from direct sunlight. Use non-sparking tools. Keep away from food, drinks and animal feed. Do not eat or drink when using this product. Smoking is forbidden.

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

Keep in cool, dry, well ventilated place. Keep away from sources of ignition – No smoking. Keep away from heat and direct sunlight. Store in correctly labelled containers. Must only be kept in original packaging.

7.3. **Specific end uses**

For 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.

8.2. **Exposure controls**

Provide adequate ventilation to ensure that the defined occupational exposure limit is not exceeded. Storage properly (p.7). Preventive medical check-ups should be arranged.

8.2.1. **Appropriate engineering controls**

Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment is not a source of ignition.

8.2.2. **Personal protective equipment**

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

8.2.2.1. **Eye/face protection**
Safety glasses. Ensure eye bath is to hand.

8.2.2.2. **Hand protection**
Chemical resistant gloves (PVC).

8.2.2.3. **Skin protection**
Keep working clothes separately. Protective 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 suitable respiratory equipment.

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	aerosol
Odour	characteristic
Colour	colourless
Flash point	-60˚C

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**
Direct sunlight. Heat. Hot surfaces. Sources of ignition. Flames.

10.5. **Incompatible materials**
Strong oxidising agents. Strong acids.

10.6. **Hazard decomposition products**
In combustion emits toxic fumes.

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. **Serious 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**	toxic to aquatic organisms
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**	**N**ot identified as a PBT/vPvB substance
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. Contact a licensed waste disposal company. Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.

SECTION 14: TRANSPORT INFORMATION

14.1. **AIR TRANSPORT (IATA)**
UN/ID number: UN1950
Proper shipping name: AEROSOLS, FLAMMABLE
Hazard class: 2.1
Packing group: -
Special Provisions: A145, A167, A802
Danger label(s):



14.2. **LAND TRANSPORT (ADR/RID)**
Transport document description: UN1950, AEROSOLS, FLAMMABLE, 2 (D)
Transport category: 2
Packing group (ADR): -
Class (ADR): 2
Tunnel restriction code: (D)
Danger label(s): 2.1



14.3. **MARINE TRANSPORT (IMDG)**
Transport document description: UN1950, AEROSOLS, FLAMMABLE
Packing group: -
Class (IMDG): 2.1
EmS-No. (1): F-D
EmS-No. (2): S-U
Marine pollutant: NO
Danger label(s):



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 and Commission Regulation (EU) No 2015/830.
This safety data sheet information is not a professional risk assessment.

15.2. **Chemical Safety Assessment**
A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

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 2017-05-10 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

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

Signal word: Danger

H222: Extremely flammable aerosol
H229: Pressurized container: may burst if heated
P251: Pressurized container: Do not pierce or burn, even after use.
P210: Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P410+P412: Protect from sunlight and do not expose to temperatures exceeding 50˚C/122˚F.
P211: Do not spray on an open flame or other ignition source.
P403: Store in a well-ventilated place.
P102: Keep out of reach of children.

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