

## SAFETY DATA SHEET

### CHEMICAL SUBSTANCE / MIXTURE REGULATION (EC) No 1907/2006 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-CLEAN**  
 Chemical name -  
 Identified uses Chemical analytics, biochemistry
- 1.2. Details of the supplier of the safety data sheet**  
 Company JSC "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](mailto:dental@i-dental.lt)
- 1.3. Emergency telephone number**  
 Emergency telephone number +370 41 553 553  
 (Available only during office hours)

#### SECTION 2: HAZARDS IDENTIFICATION

**2.1. Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]**

Flam.Liq.2  
 Eye Irrit.2  
 STOT SE 3

**2.1.1. Label elements**

**Pictograms**



**Signal word** **Danger**

**Hazard statements**

H225: Highly flammable liquid and vapour  
 H319: Causes serious eye irritation  
 H336: May cause drowsiness and dizziness

**Precaution statements (prevention)**

P280: Wear protective gloves/protective clothing/eye protection/face protection  
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray  
 P210: Keep away from heat/sparks/open flames/hot surfaces. — No smoking

**Precaution statements (response)**

P310: Immediately call a POISON CENTER or doctor/physician  
 P337+P313: If eye irritation persists: Get medical advice/attention  
 P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 P403+P233: Store in a well-ventilated place. Keep container tightly closed  
 EUH066: Repeated exposure may cause skin dryness or cracking

#### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

**3.1. Components of the mixture:**

Name	CAS No	EC No	Index No	Hazard statement	Content, %
Ethanol	64-17-5	200-578-6	603-002-00-5	H225	40-60
Acetone	67-64-1	200-662-2	606-001-00-8	H225, H319, H336	40-60

#### SECTION 4: FIRST AID MEASURES

**4.1. 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 mouth with water, spit out the solution residues. **Do not induce vomiting.** Refer for 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 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. Consult a physician.

#### 4.5. **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.

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

Inhalation: Cough. Headache. Fatigue. Drowsiness. Sore throat. Confusion. Dizziness. Unconsciousness.

Skin: Dry skin.

Eyes: Redness. Pain. Burning sensation. Blurred vision.

Ingestion: Burning sensation. Headache. Confusion. Dizziness. Unconsciousness. Nausea. Vomiting.

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

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

No data available.

## SECTION 5: FIRE FIGHTING MEASURES

### 5.1. **Extinguishing media**

Use powder, alcohol-resistant foam, water, carbon dioxide.

### 5.2. **Advice for fire fighters**

Wear self contained breathing apparatus for fire fighting if necessary.

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

Vapor/air mixtures are explosive. Heating will cause rise in pressure with risk of bursting.

Highly flammable. NO open flames, NO sparks and NO smoking.

In case of fire: keep drums, etc., cool by spraying with water.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Use personal protective equipment. Avoid vapour formation. Do not breathe vapours, mist or gas. Closed system, ventilation, explosion-proof electrical equipment and lighting. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do NOT use compressed air for filling, discharging, or handling. Wash hands thoroughly after handling. Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

### 6.2. **Environmental precautions**

Do NOT let this chemical enter the environment. Sweep spilled substance into covered containers. Carefully collect remainder. Then store and dispose of according to local regulations.

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

Remove all ignition sources. Personal protection: filter respirator for organic gases and vapours of low boiling point adapted to the airborne concentration of the substance. Ventilation. Collect leaking liquid in sealable containers. Absorb remaining liquid in sand or inert absorbent. Then store and dispose of according to local regulations. Do NOT wash away into sewer.

### 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 vapour formation. Do not breathe vapours, mist or gas. Closed system, ventilation, explosion-proof electrical equipment and lighting. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do NOT use compressed air for filling, discharging, or handling. Wash hands thoroughly after handling. Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

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

Fireproof. Separated from: strong oxidants such as acetic acid, nitric acid and hydrogen peroxide, chloroform and bromoform, plastics, calcium hypochlorite, silver oxide and ammonia. Store in an area without drain or sewer access.

### 7.3. **Specific end uses**

Chemical analytics, biochemistry.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1. **Exposure limit values**

No exposure guidelines have been established for mixture. ACGIH, NIOSH and OSHA have not developed exposure limits for this product.

Ethanol: TLV: 1000ppm as TWA; A4 (not classifiable as a human carcinogen); (ACGIH 2004). MAK: 500 ppm, 960 mg/m<sup>3</sup>; Carcinogen category: 5; Peak limitation category: II(2); Pregnancy risk group: C; (DFG 2004).

Acetone: TLV: 500 ppm as TWA; 750 ppm as STEL; A4 (not classifiable as a human carcinogen); BEI issued; (ACGIH 2009). EU OEL (selected): 500ppm, 1210mg/m<sup>3</sup> as TWA.

### 8.2. **Exposure controls**

Install ventilation to prevent vapour formatting.

Handling 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. Do not smoke when handle.

### 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 chemical resistance (PVC, neoprene, rubber) 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. 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**

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### 8.4.4. **Respiratory protection**

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).

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. **General information**

Appearance	Clear liquid
Colour	Colourless
Odour	Specific ethanol, acetone

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

Flash point	No data available
Specific gravity	No data available
Refractive index	No data available
Viscosity at 25°C	No data available
Solubility	No data available

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. **Stability**

Stable under normal temperature and pressure.

### 10.2. **Conditions to avoid**

No data available.

### 10.3. **Materials to avoid**

Reacts slowly with calcium hypochlorite, silver oxide and ammonia. This generates fire and explosion hazard. Reacts violently with strong oxidants such as nitric acid, silver nitrate, mercuric nitrate and magnesium perchlorate. This generates fire and explosion hazard.

Contact with strong oxidants such as acetic acid, nitric acid and hydrogen peroxide generates explosive peroxides. Reacts with chloroform and bromoform under basic conditions. This generates fire and explosion hazard. Attacks plastics.

### 10.4. **Hazard decomposition products**

Ketene, carbon oxide, hydrogen.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. **Possible dangerous to health effects**

The substance can be absorbed into the body by inhalation of its vapour and by ingestion.

Detailed: p.4.6.

### 11.2. **Signs and Symptoms of Exposure**

Detailed in p.4.6.

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

### 11.3. **Toxicity**

No data available.

### 11.4. **Skin corrosion/irritation**

No data available.

### 11.5. **Serious eye damage/eye irritation**

No data available.

### 11.6. **Respiratory or skin sensitization**

No data available.

### 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**

The substance is irritating to the eyes and respiratory tract. Exposure at high levels could cause lowering of consciousness.

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

The substance defats the skin, which may cause dryness or cracking. The substance may have effects on the upper respiratory tract and central nervous system. This may result in irritation, headache, fatigue and lack of concentration.

**11.12. Aspiration hazard**

No data available.

**11.13. Additional Information**

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****SECTION 13: DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods**

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. Manage waste as required by regulatory requirements. Avoid release to the environment.

**SECTION 14: TRANSPORT INFORMATION**

14.1. UN number: UN 1993

14.2. Proper shipping name: Flammable liquid n.o.s (acetone and ethanol mixture)

14.3. Hazard class: 3

14.4. Packing group: II

14.5. Special provisions: -



14.6. 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.

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

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

**Signal word: Danger**

H225: Highly flammable liquid and vapour

H319: Causes serious eye irritation

H336: May cause drowsiness and dizziness

P280: Wear protective gloves/protective clothing/eye protection/face protection

P264: Wash hands thoroughly after handling

P261: Avoid breathing dust/fume/gas/mist/vapours/spray

P271: Use only outdoors or in a well-ventilated area

P210: Keep away from heat/sparks/open flames/hot surfaces. — No smoking

P233: Keep container tightly closed

P240: Ground/bond container and receiving equipment

- P241: Use explosion-proof electrical/ventilating/lighting equipment
  - P242: Use only non-sparking tools
  - P243: Take precautionary measures against static discharge
  - P312: Immediately call a POISON CENTER or doctor/physician
  - P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
  - 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 victim to fresh air and keep at rest in a position comfortable for breathing
  - P403+P233: Store in a well-ventilated place. Keep container tightly closed
  - P403+P235: Store in a well-ventilated place. Keep cool
  - P405: Store locked up
  - P370+P378: In case of fire (see section 5 on this label)
  - P501: Dispose of contents/container to as required by regulatory requirements
  - EUH066: Repeated exposure may cause skin dryness or cracking
- 16.7. Training advice: How to properly handle chemical substances / Mixtures employees must be trained in accordance with national requirements.