This SDS packet was issued with item:
077082738

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

077082712 077082720
1 Identification of the substance/mixture and of the company/undertaking

- Product identifier
- Trade name: Cervitec Plus
- Relevant identified uses of the substance or mixture and uses advised against
- Application of the substance / the preparation Protective varnish

2 Composition/information on ingredients

- Chemical characterization: Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.

3 Hazards identification

- Classification of the substance or mixture
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC
  Highly flammable
  Highly flammable.

- Information concerning particular hazards for human and environment:
  The product has to be labelled due to the calculation procedure of international guidelines.

- Classification system:
  The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

- Label elements
- Labelling according to EU guidelines:
  The product has been classified and marked in accordance with directives on hazardous materials.
Trade name: Cervitec Plus

- Code letter and hazard designation of product:

  Highly flammable

- Risk phrases:
  Highly flammable.

- Safety phrases:
  Keep container tightly closed and in a well-ventilated place.
  Keep away from sources of ignition - No smoking.
  Take precautionary measures against static discharges.
  This material and its container must be disposed of as hazardous waste.

- Classification system:
  - NFPA ratings (scale 0 - 4)
    Health = 0
    Fire = 2
    Reactivity = 0
  - HMIS-ratings (scale 0 - 4)
    Health = 0
    Fire = 2
    Reactivity = 0

- Other hazards
  - Results of PBT and vPvB assessment
    PBT: Not applicable.
    vPvB: Not applicable.

4 First aid measures

- Description of first aid measures
  - After inhalation: Supply fresh air; consult doctor in case of complaints.
  - After skin contact: Immediately wash with water and soap and rinse thoroughly.
  - After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
  - After swallowing: If symptoms persist consult doctor.
  - Information for doctor:
    - Most important symptoms and effects, both acute and delayed No further relevant information available.
    - Indication of any immediate medical attention and special treatment needed
      No further relevant information available.

5 Firefighting measures

- Extinguishing media
  - Suitable extinguishing agents:
    CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
  - For safety reasons unsuitable extinguishing agents: Water with full jet
  - Special hazards arising from the substance or mixture No further relevant information available.
  - Advice for firefighters
  - Protective equipment: No special measures required.
  - Additional information Cool endangered receptacles with water spray.
6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  Wear protective equipment. Keep unprotected persons away.
- Environmental precautions: Do not allow to enter sewers/surface or ground water.
- Methods and material for containment and cleaning up:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Ensure adequate ventilation.
- Reference to other sections
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

7 Handling and storage

- Handling:
  - Precautions for safe handling Only adequately trained personnel should handle this product.
  - Information about protection against explosions and fires:
    Keep ignition sources away - Do not smoke.
    Protect against electrostatic charges.
- Conditions for safe storage, including any incompatibilities
  - Storage:
    - Requirements to be met by storerooms and receptacles: Store in a cool location.
    - Information about storage in one common storage facility: Not required.
    - Further information about storage conditions:
      Keep receptacle tightly sealed.
      Store in cool, dry conditions in well sealed receptacles.
- Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.
- Control parameters
- Components with limit values that require monitoring at the workplace:

<table>
<thead>
<tr>
<th>Component</th>
<th>PEL</th>
<th>REL</th>
<th>TLV short-term value</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-17-5 ethanol</td>
<td>1900 mg/m³, 1000 ppm</td>
<td>1900 mg/m³, 1000 ppm</td>
<td>1880 mg/m³, 1000 ppm</td>
</tr>
</tbody>
</table>

- Additional information: The lists that were valid during the creation were used as basis.
- Exposure controls
- Personal protective equipment:
  - General protective and hygienic measures:
    - Usual hygienic measures for dental practice.
    - Wash hands before breaks and at the end of work.
    - Keep away from foodstuffs, beverages and feed.
- Breathing equipment: Not required.
- Protection of hands:
  - Protective gloves

  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
### Trade name: Cervitec Plus

(Contd. of page 3)

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:**

Tightly sealed goggles

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### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**

  **General Information**

  **Appearance:**
  - Form: Fluid
  - Color: Colorless
  - Odor: Like alcohol
  - Odour threshold: Not determined.

  **pH-value:** Not determined.

- **Change in condition**
  - Melting point/Melting range: Undetermined.
  - Boiling point/Boiling range: Undetermined.

- **Flash point:** 12°C (54°F)

- **Ignition temperature:** 425°C (797°F)

- **Auto igniting:** Product is not selfigniting.

- **Danger of explosion:** Product is not explosive. However, formation of explosive air/ vapor mixtures are possible.

- **Explosion limits:**
  - Lower: 3.5 Vol %
  - Upper: 15.0 Vol %

- **Vapor pressure at 20°C (68°F):** 59 hPa (44 mm Hg)

- **Density at 20°C (68°F):** 0.84 g/cm³ (7.01 lbs/gal)

- **Relative density** Not determined.

- **Vapour density** Not determined.

- **Evaporation rate** Not determined.

- **Solubility in / Miscibility with Water:** Partly miscible.

- **Segregation coefficient (n-octonol/water):** Not determined.

- **Viscosity:**
  - Dynamic: Not determined.
Trade name: Cervitec Plus

10 Stability and reactivity

- Reactivity: No further relevant information available.
- Chemical stability: Stable under normal handling and storage conditions.
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions: No dangerous reactions known.
- Conditions to avoid: No further relevant information available.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: None under normal conditions of storage and use.

11 Toxicological information

- Information on toxicological effects
  - Acute toxicity:
  - Primary irritant effect:
    - on the skin: No irritant effect.
    - on the eye: No irritating effect.
  - Sensitization: No sensitizing effects known.

12 Ecological information

- Toxicity
  - Aquatic toxicity: No further relevant information available.
  - Persistence and degradability: No further relevant information available.
  - Behavior in environmental systems:
    - Bioaccumulative potential: No further relevant information available.
    - Mobility in soil: No further relevant information available.
  - Additional ecological information:
    - General notes:
      Water hazard class 1 (Self-assessment): slightly hazardous for water
      Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
  - Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.
  - Other adverse effects: No further relevant information available.

13 Disposal considerations

- Waste treatment methods
  - Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packagings
  - Recommendation: Disposal must be made according to official regulations.
### 14 Transport information

- **DOT regulations:**
  - Hazard class: 3
  - Identification number: UN1170
  - Packing group: II
  - Proper shipping name (technical name): ETHANOL SOLUTION
  - Label: 3

- **Land transport ADR/RID (cross-border):**
  - ADR/RID class: 3 (F1) Flammable liquids
  - Danger code (Kemler): 33
  - UN-Number: 1170
  - Packaging group: II
  - Label: 3
  - UN proper shipping name: 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

- **Maritime transport IMDG:**
  - IMDG Class: 3
  - UN Number: 1170
  - Label: 3
  - Packaging group: II
  - EMS Number: F-E,S-E
  - Marine pollutant: No
  - Proper shipping name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

- **Air transport ICAO-TI and IATA-DGR:**
  - ICAO/IATA Class: 3
  - UN/ID Number: 1170
  - Label: 3
  - Packaging group: II
  - Proper shipping name: ETHANOL SOLUTION

**Special precautions for user:**
Warning: Flammable liquids

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
  
  - Sara
    
    - Section 355 (extremely hazardous substances):
      None of the ingredients is listed.
    
    - Section 313 (Specific toxic chemical listings):
      None of the ingredients is listed.
  
  - TSCA (Toxic Substances Control Act):
    
    64-17-5 ethanol
    7732-18-5 water, distilled, conductivity or of similar purity
    89-83-8 thymol
  
  - Proposition 65
    
    - Chemicals known to cause cancer:
      None of the ingredients is listed.
    
    - Chemicals known to cause reproductive toxicity for females:
      None of the ingredients is listed.
    
    - Chemicals known to cause reproductive toxicity for males:
      None of the ingredients is listed.
    
    - Chemicals known to cause developmental toxicity:
      64-17-5 ethanol
  
  - Carcinogenic categories
    
    - EPA (Environmental Protection Agency)
      None of the ingredients is listed.
    
    - NTP (National Toxicology Program)
      None of the ingredients is listed.
  
    - TLV (Threshold Limit Value established by ACGIH)
      64-17-5 ethanol A3
    
    - NIOSH-Ca (National Institute for Occupational Safety and Health)
      None of the ingredients is listed.
    
    - OSHA-Ca (Occupational Safety & Health Administration)
      None of the ingredients is listed.
  
- Product related hazard informations:
  The product has been classified and marked in accordance with directives on hazardous materials.

- Hazard symbols:
  
  ![Highly flammable]

- Risk phrases:
  Highly flammable.

- Safety phrases:
  Keep container tightly closed and in a well-ventilated place.
  Keep away from sources of ignition - No smoking.
  Take precautionary measures against static discharges.
  This material and its container must be disposed of as hazardous waste.
Trade name: Cervitec Plus

- National regulations:
- Other regulations, limitations and prohibitive regulations
  The product is a medical device according to the EC-directive 93/42/EEC.
  This product is classified as a medical device under US and Canadian regulations and has been reviewed by
  the US Food and Drug Administration and Health Canada.
- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any
specific product features and shall not establish a legally valid contractual relationship.