1 Identification of substance

- Trade name: **Capa® 2200A**
- Application of the substance / the preparation
  Manufacture of polyurethane
  Adhesives
  Binder
  Footware industry
  Automotive industry
- Manufacturer/Supplier:
  Perstorp UK Limited
  Baronet Road
  Warrington
  Cheshire WA4 6HA
  United Kingdom
  Tel. +44 (0) 1925 643500
  Fax. +44 (0) 1925 232207
  Web: www.perstorp.com
  E-mail: polyolinfo@perstorp.com

  Perstorp Polyols Inc
  600 Matzinger Road
  Toledo, Ohio 43612
  Tel. 419-729-5448,
  800-537-0280
  Fax. 419-729-3291
- Information department: Corporate EHSQ Perstorp Holding AB.
- Emergency information:
  (United States) - CHEMTREC 1-800-424-9300.
  (Int.) +46 8 337043 (Emergency Response Center, Sweden)

2 Composition/Data on components

- Chemical components:
<table>
<thead>
<tr>
<th>CAS NO.</th>
<th>Description</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>69089-45-8</td>
<td>2-Oxepanone, polymer with 2,2-dimethyl-1,3-propanediol</td>
<td>99%</td>
</tr>
</tbody>
</table>

3 Hazards identification

- Classification system:
  The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- NFPA ratings (scale 0 - 4)
  - Health = 0
  - Fire = 1
  - Reactivity = 0
- HMIS-ratings (scale 0 - 4)
  - Health = 0
  - Fire = 1
  - Reactivity = 0

(Contd. on page 2)
### 4 First aid measures

- **General information:** Immediately remove any clothing soiled by the product.
- **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.
- **After swallowing:** If symptoms persist consult doctor.

### 5 Fire fighting measures

- **Suitable extinguishing agents:**
  - Fire-extinguishing powder
  - Foam
  - Carbon dioxide
  - Water spray
- **Special hazards caused by the material, its products of combustion or resulting gases:**
  - Formation of toxic gases is possible during heating or in case of fire.
  - In case of fire, the following can be released:
    - Carbon monoxide (CO)
    - Monomer (2-Oxepanone, Hexan-6-Olide, CAS 502-44-3)
- **Protective equipment:** Wear self-contained respiratory protective device.

### 6 Accidental release measures

- **Person-related safety precautions:** Ensure adequate ventilation
- **Measures for environmental protection:**
  - Do not allow product to reach sewage system or any water course.
- **Measures for cleaning/collection:**
  - Pick up mechanically.
  - Clean the affected area carefully; suitable cleaners are:
    - Water

### 7 Handling and storage

- **Information for safe handling:** Keep away from heat and direct sunlight.
- **Storage:**
  - **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
  - **Further information about storage conditions:**
    - Store in cool, dry conditions in well sealed receptacles.

### 8 Exposure controls and personal protection

- **Components with limit values that require monitoring at the workplace:**
  - The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Personal protective equipment:**
  - **Breathing equipment:** Not necessary if room is well-ventilated.
Trade name: **Capa® 2200A**

- **Protection of hands:**
  - Protective gloves

- **Material of gloves**
  - PVC gloves
  - Chloroprene rubber, CR
  - Butyl rubber, BR

- **Penetration time of glove material**
  The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**
  - Safety glasses

### 9 Physical and chemical properties

<table>
<thead>
<tr>
<th>General Information</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Form:</strong></td>
</tr>
<tr>
<td><strong>Color:</strong></td>
</tr>
<tr>
<td><strong>Odor:</strong></td>
</tr>
</tbody>
</table>

- **Change in condition**
  - Melting point/Melting range: 40 - 50 °C (104 - 122 °F)

- **Flash point:**
  - 275 °C (527 °F) (open cup)

- **Ignition temperature:**

- **Decomposition temperature:**
  - approx 200 °C (approx 392 °F)

- **Density at 55 °C (131 °F):**
  - 1.07 g/cm³

- **Solubility in / Miscibility with Water:**
  - Insoluble.

- **pH-value:**
  - Neutral

- **Segregation coefficient (n-octanol/water):**
  - Undetermined.

- **Viscosity**
  - Dynamic at 60 °C (140 °F): 475 mPa.s

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
  - To avoid thermal decomposition do not overheat.

- **Materials to be avoided:**
  - Avoid contact with acids.
  - Avoid contact with bases.

- **Dangerous products of decomposition:**
  - Possible decomposition and release of monomer at temperatures above 200°C.
11 Toxicological information

- Acute toxicity:
  - LD/LC50 values that are relevant for classification: Not available.
- Primary irritant effect:
  - on the skin: Not available.
  - on the eye: Not available.
- Sensitization: No sensitizing effects known.

13 Disposal considerations

- Recommendation: Disposal must be made according to official regulations.

14 Transport information

- DOT regulations:
- Hazard class: -
- Land transport ADR/RID (cross-border):
  - ADR/RID class: -
- Maritime transport IMDG:
  - IMDG Class: -
- Air transport ICAO-TI and IATA-DGR:
  - ICAO/IATA Class: -
- Transport/Additional information: Not dangerous according to the above specifications.

15 Regulations

- Sara
  - Section 355 (extremely hazardous substances):
    None of the ingredient is listed.
  - Section 313 (Specific toxic chemical listings):
    None of the ingredients is listed.
  - TSCA (Toxic Substances Control Act):
    69089-45-8 2-Oxepanone, polymer with 2,2-dimethyl-1,3-propanediol *
  - 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:
      None of the ingredients is listed.
  - Carcinogenicity categories
    - EPA (Environmental Protection Agency)
      None of the ingredients is listed.
Trade name: **Capa® 2200A**

**Product related hazard informations:**
The substance is not subject to classification according to the sources of literature known to us. Caution - substance not yet fully tested. Observe the general safety regulations when handling chemicals.

**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.

- **Department issuing MSDS:** Corporate EHSQ Perstorp Holding AB