1 Identification of substance

- Trade name: **Capa® 2125A**
- **Application of the substance / the preparation**
  Polyurethane
  Automotive industry
  Binder
  Adhesives
- **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:** Void

<table>
<thead>
<tr>
<th>CAS NO.</th>
<th>Description</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>36890-68-3</td>
<td>2-Oxepanone, polymer with 2,2'-oxybis[ethanol]</td>
<td>≥99%</td>
</tr>
</tbody>
</table>

3 Hazards identification

- **Information pertaining to particular dangers for man and environment:**
- **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 = 1
  - Fire = 1
  - Reactivity = 0
- **HMIS-ratings (scale 0 - 4)**
  - HEALTH = 1
  - FIRE = 1
  - REACTIVITY = 0

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.
Trade name: Capa® 2125A

- **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:**
  - Water spray
  - Foam
  - Carbon dioxide
  - Fire-extinguishing powder
- **Special hazards caused by the material, its products of combustion or resulting gases:**
  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:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Do not allow to enter sewers/surface or ground water.
- **Measures for cleaning/collecting:**
  - 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.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
  - **Breathing equipment:** Not necessary if room is well-ventilated.
  - **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.
9 Physical and chemical properties

- **Form:** Solid (wax)
- **Color:** White
- **Odor:** Odorless

- **Change in condition**
  - **Melting point/Melting range:** 35-45°C (95-113°F)
  - **Boiling point/Boiling range:** Undetermined.

- **Flash point:** 275°C (527°F)

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

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

- **Danger of explosion:** Product does not present an explosion hazard.

- **Density at 45°C (113°F):** 1.05 g/cm³

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

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

- **Viscosity**
  - **Dynamic at 60°C (140°F):** 175 mPas

- **Solvent content:** ≥99.0 %

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 reactions**
  - No dangerous reactions known.

- **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:**
    - 36890-68-3 2-Oxepanone, polymer with 2,2'-oxybis[ethanol]
      - Oral LD50 >2000 mg/kg (rat)
Trade name: **Capa® 2125A**

- Primary irritant effect:
  - on the skin: No irritant effect.
  - on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:
  The product is not subject to classification according to internally approved calculation methods for preparations:
  When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

### 12 Ecological information

- Information about elimination (persistence and degradability):
  - 36890-68-3 2-Oxepanone, polymer with 2,2'-oxybis[ethanol]
  - Biotic degradation >60 % (STURM)
- Other information: The product is readily biodegradable.
- Ecotoxicological effects:
  - Aquatic toxicity:
    - 36890-68-3 2-Oxepanone, polymer with 2,2'-oxybis[ethanol]
    - EC50/96 h: 80-82 mg/l (fish)
    - NOEC (16hr): 330-530 mg/l (bacteria)
- Remark: The product is harmful to fish, but shows less effects to aquatic organisms.

### 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):
    - All ingredients are listed.
Trade name: Capa® 2125A

- 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.
  - IARC (International Agency for Research on Cancer)
    None of the ingredients is listed.
  - NTP (National Toxicology Program)
    None of the ingredients is listed.
  - TLV (Threshold Limit Value established by ACGIH)
    None of the ingredients is listed.
  - MAK (German Maximum Workplace Concentration)
    None of the ingredients is listed.
  - 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.
  - Canadian Domestic Substance List (DSL)
    All ingredients are listed.
  - Chinese Chemical Inventory of Existing Chemical Substances
    All ingredients are listed.
  - Japan Existing and New chemical Substance List (ENCS)
    7-786
  - Korea Existing Chemical Inventory
    36890-68-3 [2-Oxepanone, polymer with 2,2'-oxybis[ethanol]] KE-27510

- Product related hazard informations:
The substance is not subject to classification according to the sources of literature known to us.
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