1 Identification of substance

- Trade name: Capa® 6500
- Application of the substance / the preparation
  Film
  Pharmaceuticals
  Footwear industry
  Construction
  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>24980-41-4</td>
<td>2-Oxepanone, homopolymer</td>
<td>&gt;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)
  ![NFPA Ratings](image)
  Health = 0
  Fire = 1
  Reactivity = 0
- HMIS-ratings (scale 0 - 4)
  ![HMIS Ratings](image)
  Health = 0
  Fire = 1
  Reactivity = 0

(Contd. on page 2)
Material Safety Data Sheet
acc. to ISO/DIS 11014

Trade name: Capa® 6500

**4 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 contact with the molten product, cool rapidly with cold water.
- **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:**
  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 product to reach sewage system or any water course.
- **Measures for cleaning/collection:** Pick up mechanically.

**7 Handling and storage**

- **Information for safe handling:** If handling molten product, be ware of risk for burns
- **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:**
    - Use suitable respiratory protective device in case of insufficient ventilation.
    - Filter P1
Trade name: **Capa® 6500**

- **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

### General Information

- **Form:** Granulate
- **Color:** White
- **Odor:** Odorless

### Change in condition

- **Melting point/Melting range:** 58-60 °C (136-140 °F)
- **Boiling point/Boiling range:** Undetermined.

- **Flash point:** 275 °C (527 °F)

### Ignition temperature:
- **Decomposition temperature:** 200 °C (392 °F)
- **Auto igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Density at 60 °C (140 °F):** 1.1 g/cm³
- **Solubility in / Miscibility with Water:** Insoluble.
- **Segregation coefficient (n-octanol/water):** Undetermined.
- **Viscosity:**
  - Dynamic at 100 °C (212 °F): 1500000 mPas

## 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.
Trade name: **Capa® 6500**

- **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: 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):**
- **Other information:** The product is readily biodegradable.
- **Ecotoxical effects:**
- **Remark:** The product is not classified as dangerous to the environment.

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):**
  - 24980-41-4 2-Oxepanone, homopolymer

(Contd. on page 5)
Trade name: Capa® 6500

- 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)
    24980-41-4 2-Oxepanone, homopolymer
  - Korea Existing Chemical Inventory
    24980-41-4 2-Oxepanone, homopolymer KE-27461

- 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