1 Identification of substance

· Trade name: **Capa® 2121**

· **Application of the substance / the preparation**
  - Manufacture of polyurethane
  - Adhesives
  - Binder
  - 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>&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)**

```
  1
  0
  0
Health = 0
Fire = 1
Reactivity = 0
```

· **HMIS-ratings (scale 0 - 4)**

```
  HEALTH 3
  FIRE 1
  REACTIVITY 0
```

· **Additional information:**
  - Caution - substance not yet fully tested.
  - Due to the structure of the substance and studies made on similar products we assume that the product is unclassified.

(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.
  - **Protection of hands:**
    - Protective gloves
- **Material of gloves**
  - PVC gloves
Material Safety Data Sheet
acc. to ISO/DIS 11014


Trade name: **Capa® 2121**

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

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

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

- **Ignition temperature:**

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

- **Density at 40°C (104°F):**
  - 1.12 g/cm³

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

- **pH-value:**
  - Neutral

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

- **Viscosity**
  - Dynamic at 60°C (140°F): 175 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.
## 13 Disposal considerations

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

## 14 Transport information

<table>
<thead>
<tr>
<th>DOT regulations:</th>
<th>Hazard class:</th>
<th>-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Land transport ADR/RID (cross-border):</td>
<td>ADR/RID class:</td>
<td>-</td>
</tr>
<tr>
<td>Maritime transport IMDG:</td>
<td>IMDG Class:</td>
<td>-</td>
</tr>
<tr>
<td>Air transport ICAO-TI and IATA-DGR:</td>
<td>ICAO/IATA Class:</td>
<td>-</td>
</tr>
</tbody>
</table>

**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.
  - **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.
Trade name: **Capa® 2121**

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**M A K (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)**
None of the ingredients is listed.

**Chinese Chemical Inventory of Existing Chemical Substances**
None of the ingredients is listed.

**Japan Existing and New chemical Substance List (ENCS)**
7-786

**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.

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**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

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