

**Trade name: Silensor connectors, shells, stoppers, spacers****Safety data sheet in accordance with 91/155/EEC**

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**01. Identification**

|   |   |
|---|---|
| 01.01 Product details                     |   |
| 01.01.01. Trade name                      | Silensor connectors, shells, stoppers, spacers                        |
| 01.02. Identification of the manufacturer |   |
| 01.02.01. Address                         | ERKODENT Erich Kopp GmbH, Siemensstr. 3,<br>D-72285 Pfalzgrafenweiler |
| 01.02.02. Information provided by         | Chemie  |
| 01.02.03. Telephone number                | Tel.: (+49) (0) 7445 / 85 01 - 0, Fax: (+49) (0) 7445 / 20 92         |
| 01.02.04. Emergency telephone number :    |   |

**02. Composition/information on ingredients**

|   |                               |
|---|-------------------------------|
| 02.01. Chemical characterization          | Polyoxymethylen-Copolymerisat |
| 02.02. Substance / product identification | -                             |
| 02.03. Hazardous ingredients              | None.                         |
| 02.04. Additional information             | -                             |

**03. Hazards possibilities**

|  |   |
|--|---|
| 03.01. Hazard designation  | - |
| 03.02. Particular information pertaining specific risk for human / environment | - |

**04. First aid measures**

|   |   |
|---|---|
| 04.01. General Information                |   |
| 04.02. First aid measures / inhalation.   | n.a.  |
| 04.03. First aid measures / skin contact. | After contact with molten product cool quickly with cold water. |
| 04.04. First aid measures / eye contact.  | Separate eyelids, wash the eyes thoroughly with water (15 min.) |
| 04.05. First aid measures / ingestion.    | No special measures necessary.                                  |
| 04.06. Advice to doctor                   | -   |

**05. Fire-fighting measures**

|  |  |
|--|--|
| 05.01. Suitable extinguishing media  | foam, dry powder, carbon dioxide., water spray jet |
| 05.02. Extinguishing media that must not be used for safety reasons  | Full water jet                                     |
| 05.03. Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases. | n.a.   |
| 05.04. Special protective equipment for firefighting   | n.a.   |
| 05.05. Additional informations (chapter 5)   | -  |

**06. Accidental release measures**

|   |                       |
|---|-----------------------|
| 06.01. personal precautions.                | n.a.                  |
| 06.02. environmental precautions.           | n.a.                  |
| 06.03. methods for cleaning up/taking up.   | Pick up mechanically. |
| 06.04. Additional informations (chapter 6). | -                     |

**07. Handling and storage**

|  |  |
|--|--|
| 07.01. Handling  |  |
| 07.01.01. Hints on safe handling.                          | Provide good ventilation of working area (local exhaust ventilation if necessary),. Provide exhaust ventilation if dust is formed. |
| 07.01.02. Hints for protection against fire and explosion. | n.a.   |
| 07.02. Storage   |  |

|   |  |
|---|--|
| 07.02.01. Requirements for storage rooms and vessels. | Store product in closed containers.    |
| 07.02.02. Hints on storage assembly.                  | n.a.                                   |
| 07.02.03. Further information on storage conditions.  | Keep container tightly closed and dry. |
| 07.02.04. Storage category                            | -                                      |
| 07.02.05. Storage stability                           | -                                      |
| 07.02.06. Recommended storage temperature             | n.a.                                   |

## 08. Exposure controls/personal protection

|  |   |
|--|---|
| 08.01. Additional hints on technical system design.                  | - |
| 08.02. Ingredients with occupational exposure limits to be monitored | - |

|   |  |
|---|--|
| 08.03. Personal protective equipment <input type="checkbox"/> Personal protective equipment <input type="checkbox"/> Persönliche Schutzausrüstung |  |
| 08.03.01. Respiratory protection  | Dust mask                                    |
| 08.03.02. Hand protection   | -  |
| 08.03.03. Eye protection  | safety glasses                               |
| 08.03.04. Skin protection   | -  |
| 08.03.05. General protective and hygiene measures   | Do not eat, drink or smoke during work time. |

## 09. Physical and chemical properties

|                    |                                  |
|--------------------|----------------------------------|
| 09.01. Appearance. |                                  |
| 09.01.01. Form     | solid                            |
| 09.01.02. Colour   | Various, depending on coloration |
| 09.01.03. Odour    | odourless                        |

|                    |   |
|--------------------|---|
| 09.02. Safety data | - |
|--------------------|---|

### Changes in physical state

|                       |                       |                   |                |
|-----------------------|-----------------------|-------------------|----------------|
| Softening temperature | ca. 90                | °C                |                |
| Flash point           | > 380                 | °C                | ASTM-D 1929-68 |
| Ignition temperature  | n.b.                  | °C                | ASTM-D 1929-68 |
| self ignition         |                       |                   |                |
| explosion limits      | n.a.                  |                   |                |
| Upper explosion limit | n.a.                  |                   |                |
| Vapour pressure       | n.a.                  | mbar              |                |
| Density               | 0,90                  | g/cm <sup>3</sup> | 20 °C          |
| solubility            | insoluble             | g/l               |                |
| Soluble in            | Soluble in chloroform | g/l               |                |
| pH-Value              | n.a.                  |                   |                |
| Viscosity             | n.a.                  |                   |                |

|  |   |
|--|---|
| 09.03. Other information ( chapter 9.) | - |
|--|---|

## 10. Stability and reactivity

|   |                              |
|---|------------------------------|
| 10.01. Hazardous reactions                  | n.a.                         |
| 10.02. Hazardous decomposition products     | Carbon monoxide, Acetic acid |
| 10.03. Thermal decomposition                | > 260 °C                     |
| 10.04. Additional informations (chapter 10) | -                            |

## 11. Toxicological information

|                       |  |
|-----------------------|--|
| 11.01. Acute toxicity |  |
|-----------------------|--|

|  |      |
|--|------|
| 11.01.01. Acute oral toxicity  | n.a. |
| 11.01.02. Acute dermal toxicity  | n.a. |
| 11.01.03. Acute inhalational toxicity  | n.a. |
| 11.02. Irritant/corrosive effects  |      |
| 11.02.01. Irritant effect on skin  | n.a. |
| 11.02.02. Irritant effect on eyes  | n.a. |
| 11.03. Sensitization   | n.a. |
| 11.04. Effects after repeated or prolonged exposition (subacute, subchronic, cronic) | n.a. |
| 11.08. Other information (chapter 11.)   | n.a. |
| 11.09. Experiences made in practice.   | n.a. |
| 11.10. General remarks.  | -    |

## 12. Ecological information

|   |   |
|---|---|
| 12.01. Data on elimination ( persistence and degradability) : |   |
| 12.01.01. Physico-chemical eliminability                      | n.a.  |
| 12.01.02. Biodegradability                                    | n.a.  |
| 12.02. Behaviour in environment compartments.                 | n.b.  |
| 12.03. Ecotoxic effect  |   |
| 12.03.01. Fish toxicity                                       | n.a.  |
| 12.03.02. Daphnia toxicity                                    | n.a.  |
| 12.03.03. Algae toxicity                                      | n.a.  |
| 12.03.04. Bacteria toxicity                                   | n.a.  |
| 12.04. Further ecological information                         | According to experience, the material has no harmful effect on the environment. |

## 13. Disposal considerations

|  |  |
|--|--|
| 13.01. Disposal considerations                           |  |
| 13.01.01. Disposal / product                             | For recycling, consult waste disposal centres. |
| 13.01.02. Disposal / contaminated packagings.            | Uncontaminated packaging may be reused.        |
| 13.02. Waste code no. / name of waste (for Germany only) | -  |

## 14. Transport information

|  |   |
|--|---|
| 14.01. Land transport ADR/RID              |   |
| 14.01.01. Class                            | - |
| 14.01.02. Number/letter                    | - |
| 14.01.03. Hazard number (Kemler-number)    | - |
| 14.01.04. UN number                        | - |
| 14.01.05. Technical name                   | - |
| 14.01.06. Remarks                          | - |
| 14.02. Inland waterways transport ADN/ADNR |   |
| 14.02.01. Class                            | - |
| 14.02.02. Number/letter                    | - |
| 14.02.03. Category                         | - |
| 14.02.04. Technical name                   | - |
| 14.02.05. Remarks                          | - |
| 14.03. Marine transport IMDG/GGVSee        |   |
| 14.03.01. Class                            | - |
| 14.03.02. UN number                        | - |
| 14.03.03. page                             | - |
| 14.03.04. EmS                              | - |
| 14.03.05. MFAG                             | - |

|  |   |
|--|---|
| 14.03.06. MARINE POLLUTANT             | - |
| 14.03.07. Correct technical name       | - |
| 14.03.08. Remarks                      | - |
|  |   |
| 14.04. Air transport ICAO/IATA         |   |
| 14.04.01. Class                        | - |
| 14.04.02. UN number                    | - |
| 14.04.03. page                         | - |
| 14.04.04. Correct technical name       | - |
| 14.04.05. Remarks                      | - |
|  |   |
| 14.05. Other information (chapter 14.) | - |

## 15. Regulatory information

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|--|--|
| 15.01. Labelling in accordance with GefStoffV/EC   | The product does not require a hazard warning label in accordance with EC directives/German regulations on dangerous substances. |
|  |  |
| 15.02. Other regulations   |  |
| 15.02.01. Restriction of occupation.   | -  |
| 15.02.02. Decree for case of interference / remarks (for Germany only).                  | -  |
| 15.02.03. Classification according to VbF / remarks (for Germany only).                  | -  |
| 15.02.04. TA-Luft (Ger.)   | -  |
| 15.02.05. Water Hazard Class (Ger.)  | -  |
| 15.02.06. Other regulations, restrictions and prohibition regulations (for Germany only) | -  |

## 16. Other information (chapter 16.).

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(n.a. = Not applicable; n.b.= not determined)

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.