

**1 Identification**

- **Product identifier**
- **Trade name: Otoform pink firm**
- **Application of the substance / the mixture** Impression material
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Dreve Otoplastik GmbH  
Max-Planck-Straße 31  
59423 Unna / Germany  
Tel.: ++49 2303 / 8807-0  
Fax.: ++49 2303 / 8807-29
- **Information department:**  
Department Research & Development  
Fax.: +49 2303 8807-562  
Email: sicherheitsdatenblatt@dreve.de
- **Emergency telephone number:**  
+49 211 797-3350  
Plant Fire Department Henkel

**2 Hazard(s) identification**

- **Classification of the substance or mixture**  
The product is not classified according to the Globally Harmonized System (GHS).

- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 0  
Fire = 1  
Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**



HEALTH 0 Health = 0  
FIRE 1 Fire = 1  
REACTIVITY 0 Reactivity = 0

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

**3 Composition/information on ingredients**

- **Chemical characterization: Mixtures**
- **Description:** Addition-vulcanising 2-component silicone

• **Dangerous components:**

|            |   |        |
|------------|---|--------|
| 14807-96-6 | Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> ) | 10-25% |
| 471-34-1   | calcium carbonate   | 10-25% |

(Contd. on page 2)

Printing date 12/10/2015

Reviewed on 12/10/2015

Trade name: Otoform pink firm

(Contd. of page 1)

|           |                                      |        |
|-----------|--------------------------------------|--------|
| 8042-47-5 | paraffin oil                         | 10-25% |
| 8002-74-2 | Paraffin waxes and Hydrocarbon waxes | ≤ 2,5% |

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

#### 4 First-aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**  
Do not induce vomiting.  
Call a doctor immediately.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

#### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**  
No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

#### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Avoid contact with eyes.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:** Pick up mechanically.
- **Reference to other sections**  
No dangerous substances are released.  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

#### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** When using do not eat, drink or smoke.
- **Information about protection against explosions and fires:** No special measures required.

(Contd. on page 3)

US

Trade name: Otoform pink firm

(Contd. of page 2)

- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Keep receptacle tightly sealed.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

### 14807-96-6 Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)

|     |   |
|-----|---|
| PEL | Long-term value: 20 mppcf ppm<br>(containing <1% Quartz)                  |
| REL | Long-term value: 2* mg/m <sup>3</sup><br>*respirable dust; and <1% Quartz |
| TLV | Long-term value: 2* mg/m <sup>3</sup><br>*as respirable fraction; E       |

### 471-34-1 calcium carbonate

|     |   |
|-----|---|
| PEL | Long-term value: 15* 5** mg/m <sup>3</sup><br>*total dust **respirable fraction |
| REL | Long-term value: 10* 5** mg/m <sup>3</sup><br>*total dust **respirable fraction |
| TLV | TLV withdrawn   |

### 8002-74-2 Paraffin waxes and Hydrocarbon waxes

|     |                                      |
|-----|--------------------------------------|
| REL | Long-term value: 2 mg/m <sup>3</sup> |
| TLV | Long-term value: 2 mg/m <sup>3</sup> |

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not required.
- **Protection of hands:** Not required.
- **Material of gloves** Not applicable.
- **Penetration time of glove material** Not applicable.
- **Eye protection:** Not required.
- **Body protection:** Protective work clothing

## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

|        |             |
|--------|-------------|
| Form:  | Pasty       |
| Color: | Pink opaque |

(Contd. on page 4)

Printing date 12/10/2015

Reviewed on 12/10/2015

Trade name: Otoform pink firm

(Contd. of page 3)

|   |   |
|---|---|
| · <b>Odor:</b>                                    | Characteristic                                |
| · <b>Odor threshold:</b>                          | Not determined.                               |
| · <b>pH-value:</b>                                | Not applicable.                               |
| · <b>Change in condition</b>                      |   |
| <b>Melting point/Melting range:</b>               | Undetermined.                                 |
| <b>Boiling point/Boiling range:</b>               | 201 °C (394 °F)                               |
| · <b>Flash point:</b>                             | 131 °C (268 °F)                               |
| · <b>Flammability (solid, gaseous):</b>           | Not determined.                               |
| · <b>Ignition temperature:</b>                    | 460 °C (860 °F)                               |
| · <b>Decomposition temperature:</b>               | > 200 °C (> 392 °F)                           |
| · <b>Auto igniting:</b>                           | Product is not selfigniting.                  |
| · <b>Danger of explosion:</b>                     | Product does not present an explosion hazard. |
| · <b>Explosion limits:</b>                        |   |
| <b>Lower:</b>                                     | 0,6 Vol %                                     |
| <b>Upper:</b>                                     | 6,5 Vol %                                     |
| · <b>Oxidizing properties</b>                     | Not determined                                |
| · <b>Vapor pressure at 20 °C (68 °F):</b>         | 100 hPa (75 mm Hg)                            |
| · <b>Density at 20 °C (68 °F):</b>                | 1,7 g/cm <sup>3</sup> (14.187 lbs/gal)        |
| · <b>Relative density</b>                         | Not determined.                               |
| · <b>Vapor density</b>                            | Not applicable.                               |
| · <b>Evaporation rate</b>                         | Not applicable.                               |
| · <b>Solubility in / Miscibility with Water:</b>  | Insoluble.                                    |
| · <b>Partition coefficient (n-octanol/water):</b> | Not determined.                               |
| · <b>Viscosity:</b>                               |   |
| <b>Dynamic:</b>                                   | Not applicable.                               |
| <b>Kinematic:</b>                                 | Not applicable.                               |
| · <b>Solvent content:</b>                         |   |
| <b>Organic solvents:</b>                          | 0,0 %   |
| · <b>Other information</b>                        | No further relevant information available.    |

## 10 Stability and reactivity

- **Reactivity** No dangerous reactions if used according to specifications.
- **Chemical stability** Stable if used according to specifications.
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

US

(Contd. on page 5)

Trade name: Otoform pink firm

(Contd. of page 4)

**11 Toxicological information**· **Information on toxicological effects**· **Acute toxicity:**· **Primary irritant effect:**· **on the skin:** No irritant effect.· **on the eye:** No irritant 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.

· **Carcinogenic categories**· **IARC (International Agency for Research on Cancer)**

|            |   |   |
|------------|---|---|
| 14807-96-6 | Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> ) | 3 |
| 14464-46-1 | crystalite  | 1 |

· **NTP (National Toxicology Program)**

|            |            |   |
|------------|------------|---|
| 14464-46-1 | crystalite | K |
|------------|------------|---|

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

**12 Ecological information**· **Toxicity**· **Aquatic toxicity:** No further relevant information available.· **Persistence and degradability** No further relevant information available.· **Behavior in environmental systems:**· **Bioaccumulative potential** No further relevant information available.· **Mobility in soil** No further relevant information available.· **Additional ecological information:**· **General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.· **Other adverse effects** No further relevant information available.**13 Disposal considerations**· **Waste treatment methods**· **Recommendation:** Disposal must be made according to official regulations.· **Uncleaned packagings:**· **Recommendation:** Disposal must be made according to official regulations.

—US—

(Contd. on page 6)

Printing date 12/10/2015

Reviewed on 12/10/2015

Trade name: Otoform pink firm

(Contd. of page 5)

**14 Transport information**

|   |                 |
|---|-----------------|
| · UN-Number   |                 |
| · DOT, ADR, ADN, IMDG, IATA   | Void            |
| · UN proper shipping name   |                 |
| · DOT, ADR, ADN, IMDG, IATA   | Void            |
| · Transport hazard class(es)  |                 |
| · DOT, ADR, ADN, IMDG, IATA   |                 |
| · Class   | Void            |
| · Packing group   |                 |
| · DOT, ADR, IMDG, IATA  | Void            |
| · Environmental hazards:  |                 |
| · Marine pollutant:   | No              |
| · Special precautions for user  | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation":  | Void            |

**15 Regulatory information**

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- 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.

## · 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.

## · Cancerogenity categories

## · EPA (Environmental Protection Agency)

None of the ingredients is listed.

## · TLV (Threshold Limit Value established by ACGIH)

14807-96-6 | Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)

A4

(Contd. on page 7)

Printing date 12/10/2015

Reviewed on 12/10/2015

Trade name: Otoform pink firm

(Contd. of page 6)

|   |              |   |
|---|--------------|---|
| · <b>MAK (German Maximum Workplace Concentration)</b> |              |   |
| 14464-46-1  | cristobalite | 1 |

|   |              |  |
|---|--------------|--|
| · <b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b> |              |  |
| 14464-46-1  | cristobalite |  |

· **GHS label elements** Void· **Hazard pictograms** Void· **Signal word** Void· **Hazard statements** Void· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 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 SDS:** Department Research & Development

- **Contact:** Dr. Thomas Veit, Lothar Sutor

- **Date of preparation / last revision** 12/10/2015 / 1

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit