

according to Regulation (EC) No 1907/2006

### mollosil® plus Primer

Revision date: 09.12.2016

Product code: 10528

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

mollosil® plus Primer

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### Use of the substance/mixture

Adhesive for denture relinings for use in dentistry.

### 1.3. Details of the supplier of the safety data sheet

|                         |                     |                           |
|-------------------------|---------------------|---------------------------|
| Company name:           | DETAX GmbH & Co. KG |                           |
| Street:                 | Carl-Zeiss-Strasse  |                           |
| Place:                  | D-76275 Ettlingen   |                           |
| Telephone:              | +49 7243/510-0      | Telefax: +49 7243/510-100 |
| e-mail:                 | post@detax.de       |                           |
| Internet:               | www.detax.de        |                           |
| Responsible Department: | Emergency number:   |                           |

+49 7243/510-0

This number is only obtainable during office hours (Monday - Thursday 8.00 a.m. - 5.00 p.m., Friday 8.00 a.m. - 4.00 p.m.)

### 1.4. Emergency telephone

#### number:

+49 7243/510-0

This number is only obtainable during office hours (Monday - Thursday 8.00 a.m. - 5.00 p.m., Friday 8.00 - 4.00 p.m.)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No. 1272/2008

Hazard categories:

Flammable liquid: Flam. Liq. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Highly flammable liquid and vapour.

Causes serious eye irritation.

May cause drowsiness or dizziness.

### 2.2. Label elements

#### Regulation (EC) No. 1272/2008

#### Hazard components for labelling

ethyl acetate

Signal word: Danger

#### Pictograms:



#### Hazard statements

H225

Highly flammable liquid and vapour.

H319

Causes serious eye irritation.

H336

May cause drowsiness or dizziness.

#### Precautionary statements

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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|                |                                                                                                                                  |
|----------------|----------------------------------------------------------------------------------------------------------------------------------|
| P235           | Keep cool.                                                                                                                       |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.                                                       |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337+P313      | If eye irritation persists: Get medical advice/attention.                                                                        |
| P370+P378      | In case of fire: Use Carbon dioxide (CO <sub>2</sub> ), Foam, Extinguishing powder to extinguish.                                |
| P501           | Dispose of contents/ container in accordance with legal and national regulations.                                                |

#### Additional advice on labelling

According to Regulation (EC) 1272/2008, art.1 No. 5 (d) this product as a medical product must not be labelled!

#### 2.3. Other hazards

No information available.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

Alkyl silicone resin in organic solvent.

##### Hazardous components

| CAS No   | Chemical name                                                   |              |                  | Quantity |
|----------|-----------------------------------------------------------------|--------------|------------------|----------|
|          | EC No                                                           | Index No     | REACH No         |          |
|          | Classification according to Regulation (EC) No. 1272/2008 [CLP] |              |                  |          |
| 141-78-6 | ethyl acetate                                                   |              |                  | > 90 %   |
|          | 205-500-4                                                       | 607-022-00-5 | 01-2119475103-46 |          |
|          | Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066    |              |                  |          |

Full text of H and EUH statements: see section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

First aider: Pay attention to self-protection! Remove affected person from the danger area and lay down.

##### After inhalation

Provide fresh air. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

##### After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

##### After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

##### After ingestion

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink plenty of water. Seek immediately medical advice. Do not induce vomiting. In case of spontaneous vomiting take care of an unhindered flow out of the vomit (danger of suffocation).

#### 4.2. Most important symptoms and effects, both acute and delayed

No information available.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

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**5.1. Extinguishing media****Suitable extinguishing media**Carbon dioxide (CO<sub>2</sub>), Foam, Extinguishing powder.**Unsuitable extinguishing media**

Water.

**5.2. Special hazards arising from the substance or mixture**

Highly flammable. Vapours can form explosive mixtures with air.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Remove all sources of ignition. Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

**6.2. Environmental precautions**

Do not allow uncontrolled discharge of product into the environment. Danger of explosion

**6.3. Methods and material for containment and cleaning up**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

**Advice on protection against fire and explosion**

Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharges. Vapours can form explosive mixtures with air.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**Advice on storage compatibility**

Do not store together with: Oxidising agent. Pyrophoric or self-heating substances.

**7.3. Specific end use(s)**

Adhesive for silicone based denture relinings.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

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#### Exposure limits (EH40)

| CAS No   | Substance     | ppm | mg/m <sup>3</sup> | fibres/ml | Category      | Origin |
|----------|---------------|-----|-------------------|-----------|---------------|--------|
| 141-78-6 | Ethyl acetate | 200 | -                 | -         | TWA (8 h)     | WEL    |
|          |               | 400 | -                 | -         | STEL (15 min) | WEL    |

#### 8.2. Exposure controls

##### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

##### Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

##### Eye/face protection

Suitable eye protection: goggles.

##### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Suitable are gloves of the following material: Butyl caoutchouc (butyl rubber)

##### Skin protection

Flame-retardant protective clothing. Wear anti-static footwear and clothing

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

|                 |               |
|-----------------|---------------|
| Physical state: | liquid        |
| Colour:         | orange        |
| Odour:          | Ethyl acetate |

##### Test method

|           |                |
|-----------|----------------|
| pH-Value: | not determined |
|-----------|----------------|

##### Changes in the physical state

|                                          |                 |
|------------------------------------------|-----------------|
| Melting point:                           | not determined  |
| Initial boiling point and boiling range: | 72 °C DIN 51356 |
| Flash point:                             | 3 °C DIN 51755  |

##### Flammability

|        |                |
|--------|----------------|
| Solid: | not applicable |
| Gas:   | not applicable |

|                         |             |
|-------------------------|-------------|
| Lower explosion limits: | 2,1 vol. %  |
| Upper explosion limits: | 11,5 vol. % |

|                       |                  |
|-----------------------|------------------|
| Ignition temperature: | 460 °C DIN 51794 |
|-----------------------|------------------|

##### Auto-ignition temperature

|        |                |
|--------|----------------|
| Solid: | not applicable |
|--------|----------------|

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Gas: not applicable

Decomposition temperature: >120 °C

#### **Oxidizing properties**

Not oxidizing.

Vapour pressure: 97 hPa  
(at 20 °C)

Vapour pressure: 375 hPa  
(at 50 °C)

Density (at 20 °C): 0,90 g/cm³ DIN 51757

Water solubility: partially miscible

#### **Solubility in other solvents**

not determined

Partition coefficient: not determined

Viscosity / dynamic: 1 mPa·s BROOKFIELD  
(at 23 °C)

Vapour density: not determined

Evaporation rate: not determined

#### **9.2. Other information**

Solid content: not determined

### SECTION 10: Stability and reactivity

#### **10.1. Reactivity**

Highly flammable.

#### **10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

#### **10.3. Possibility of hazardous reactions**

Reacts with : combustible materials.

#### **10.4. Conditions to avoid**

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air.

#### **10.5. Incompatible materials**

No information available.

#### **10.6. Hazardous decomposition products**

The following applies for the silicone content of the product: At temperature of appr. 150°C/ 302 °F a small amount of formaldehyde can be released by oxidative degradation.

### SECTION 11: Toxicological information

#### **11.1. Information on toxicological effects**

##### **Acute toxicity**

Based on available data, the classification criteria are not met.

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| CAS No   | Chemical name           |                  |         |        |
|----------|-------------------------|------------------|---------|--------|
|          | Exposure route          | Dose             | Species | Source |
| 141-78-6 | ethyl acetate           |                  |         |        |
|          | oral                    | LD50 >2000 mg/kg | Rat     |        |
|          | dermal                  | LD50 >2000 mg/kg | Rabbit  |        |
|          | inhalative (4 h) vapour | LC50 >29,3 mg/l  | Rat     |        |

#### Irritation and corrosivity

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

#### Sensitising effects

Based on available data, the classification criteria are not met.

#### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

#### STOT-single exposure

May cause drowsiness or dizziness. (ethyl acetate)

#### STOT-repeated exposure

Based on available data, the classification criteria are not met.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

#### Additional information on tests

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

## SECTION 12: Ecological information

### 12.1. Toxicity

The product is not: Ecotoxic.

| CAS No   | Chemical name            |                 |           |                                           |          |
|----------|--------------------------|-----------------|-----------|-------------------------------------------|----------|
|          | Aquatic toxicity         | Dose            | [h]   [d] | Species                                   | Source   |
| 141-78-6 | ethyl acetate            |                 |           |                                           |          |
|          | Acute fish toxicity      | LC50 >100 mg/l  | 96 h      | Salmo trutta fario (L) (Freshwater trout) | OECD 203 |
|          | Acute algae toxicity     | ErC50 >100 mg/l | 72 h      | Desmodesmus subspicatus.                  | OECD 201 |
|          | Acute crustacea toxicity | EC50 >100 mg/l  | 48 h      | Daphnia magna (Big water flea)            |          |

### 12.2. Persistence and degradability

The product has not been tested.

| CAS No   | Chemical name                 |       |    |        |
|----------|-------------------------------|-------|----|--------|
|          | Method                        | Value | d  | Source |
|          | Evaluation                    |       |    |        |
| 141-78-6 | ethyl acetate                 |       |    |        |
|          | OECD 301D/ EEC 92/69/V, C.4-E | >70%  | 28 |        |

### 12.3. Bioaccumulative potential

The product has not been tested.

#### Partition coefficient n-octanol/water

| CAS No   | Chemical name | Log Pow |
|----------|---------------|---------|
| 141-78-6 | ethyl acetate | 0,68    |

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#### BCF

| CAS No   | Chemical name | BCF | Species                      | Source |
|----------|---------------|-----|------------------------------|--------|
| 141-78-6 | ethyl acetate | 30  | Leuciscus idus (golden orfe) |        |

#### 12.4. Mobility in soil

The product has not been tested.

#### 12.5. Results of PBT and vPvB assessment

Not identified as PBT/ vPvB substances

#### 12.6. Other adverse effects

No information available.

#### Further information

Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Advice on disposal

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

##### Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

|                                          |                |
|------------------------------------------|----------------|
| <b>14.1. UN number:</b>                  | UN 1866        |
| <b>14.2. UN proper shipping name:</b>    | Resin solution |
| <b>14.3. Transport hazard class(es):</b> | 3              |
| <b>14.4. Packing group:</b>              | II             |
| Hazard label:                            | 3              |
| Classification code:                     | F1             |
| Limited quantity:                        | 5 L            |
| Transport category:                      | 2              |
| Hazard No:                               | 33             |
| Tunnel restriction code:                 | D/E            |

#### Other applicable information (land transport)

Flammable liquid

#### Marine transport (IMDG)

|                                          |                |
|------------------------------------------|----------------|
| <b>14.1. UN number:</b>                  | UN 1866        |
| <b>14.2. UN proper shipping name:</b>    | Resin solution |
| <b>14.3. Transport hazard class(es):</b> | 3              |
| <b>14.4. Packing group:</b>              | II             |
| Hazard label:                            | 3              |
| Marine pollutant:                        | -              |
| Special Provisions:                      | -              |
| Limited quantity:                        | 5 L/ 30 kg     |
| EmS:                                     | F-E, S-E       |

#### Other applicable information (marine transport)

Flash point: 3°C c.c.

#### Air transport (ICAO-TI/IATA-DGR)

|                         |         |
|-------------------------|---------|
| <b>14.1. UN number:</b> | UN 1866 |
|-------------------------|---------|

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|                                          |                |
|------------------------------------------|----------------|
| <b>14.2. UN proper shipping name:</b>    | Resin solution |
| <b>14.3. Transport hazard class(es):</b> | 3              |
| <b>14.4. Packing group:</b>              | II             |
| Hazard label:                            | 3              |
| Special Provisions:                      | A3             |
| Limited quantity Passenger:              | 1 L/ 30 kg     |
| Passenger LQ:                            | Y341           |
| IATA-packing instructions - Passenger:   | 353            |
| IATA-max. quantity - Passenger:          | 5 L            |
| IATA-packing instructions - Cargo:       | 364            |
| IATA-max. quantity - Cargo:              | 60 L           |

#### 14.6. Special precautions for user

Warning: Combustible liquid.

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

### SECTION 15: Regulatory information

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

##### National regulatory information

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Employment restrictions:       | Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). |
| Water contaminating class (D): | 1 - slightly water contaminating                                                                                  |

#### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

#### 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  
IATA: International Air Transport Association  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%

#### Relevant H and EUH statements (number and full text)

|        |                                                       |
|--------|-------------------------------------------------------|
| H225   | Highly flammable liquid and vapour.                   |
| H319   | Causes serious eye irritation.                        |
| H336   | May cause drowsiness or dizziness.                    |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |

#### Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*