

**Material Safety Data Sheet**

According to 91/155 EEC

Printing date 04.04.2007

Reviewed on 21.03.2007

**1 Identification of the substance/preparation and of the company/undertaking****Product details**Trade name **Superflex 10 Komp. A**

Safety data sheet no.: 49PD10481-a/6

**Application of the substance / the preparation**

Bitumen sealing

cold-setting glue

**Manufacturer/Supplier:**

maxit France s.a.s

4 rue de Mulhouse

Boîte Postale 27

F-68180 Horbourg-Wihr

Tel.: ++33(0)3 89 20 10 80

FAX: ++33(0)3 89 20 10 92

**Information in case of emergency:**

maxit France s.a.s

Tel.: ++33(0)3 89 20 10 80

**2 Composition/information on ingredients****Chemical characterization****Description:** Bituminous emulsion**Dangerous components:** Void**3 Hazards identification****Hazard description:** Not applicable.**Information concerning particular hazards for human and environment:**

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

**Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

**4 First aid measures****General information**

Immediately remove any clothing soiled by the product.

Remove the victim immediately from the danger area. If the patient is unwell consult a doctor and present this data sheet.

**After inhalation** not relevant (liquid preparation without volatile substances).**After skin contact**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

**After eye contact**

Rinse opened eye for several minutes under running water. Then consult doctor. Rinse liquid should be tempered (20-30°C).

**After swallowing** Do not induce vomiting; call for medical help immediately.

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**Information for doctor** None

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## 5 Fire fighting measures

### Suitable extinguishing agents

Use fire extinguishing methods suitable to surrounding conditions.

**For safety reasons unsuitable extinguishing agents** Water with full jet

### Special hazards caused by the substance, its products of combustion or resulting gases:

When water is vaporized, generation of toxic gases can not be excluded, e.g.:

Carbon monoxide (CO)

Hydrogen sulfide (H<sub>2</sub>S)

**Protective equipment:** Use methods suitable to surrounding conditions.

## 6 Accidental release measures

**Person-related safety precautions:** Wear protective clothing.

### Measures for environmental protection:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

### Measures for cleaning/collecting:

Pick up mechanically.

Dispose of the material collected according to regulations.

**Additional information:** See Section 13 for disposal information.

## 7 Handling and storage

### Handling

#### Information for safe handling:

Keep receptacles tightly sealed.

Ensure good ventilation/exhaustion at the workplace.

**Information about fire - and explosion protection:** No special measures required.

### Storage

#### Requirements to be met by storerooms and receptacles:

Store only in unopened original receptacles.

Store in a cool location.

#### Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidizing agents.

#### Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

Protect from frost.

**Recommended storage temperature:** 5-30°C.

## 8 Exposure controls and personal protection

**Additional information about design of technical facilities:** No further data; see item 7.

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**Ingredients with limit values that require monitoring at the workplace:****Additional information:**

Te applicable TRGS 900 (MAK list) was used as the basis for the preparation and/or revision of this safety data sheet.

**Personal protective equipment:****General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing.

Avoid contact with the eyes and skin.

Keep away from foodstuffs, beverages and feed.

Do not eat, drink, smoke or sniff while working.

Wash hands before breaks and at the end of work.

**Respiratory protection:** Not required.

**Protection of hands:**

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

Rubber gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** Safety glasses.

**Body protection:** Protective work clothing.

**9 Physical and chemical properties:****General Information**

|                |                |
|----------------|----------------|
| <b>Form:</b>   | Pasty          |
| <b>Colour:</b> | Black          |
| <b>Odour:</b>  | Characteristic |

**Change in condition**

|                                     |                           |
|-------------------------------------|---------------------------|
| <b>Melting point/Melting range:</b> | 0°C (32°F) (DIN ISO 3016) |
| <b>Boiling point/Boiling range:</b> | 100°C (212°F)             |

**Flash point:** Not applicable

**Self-igniting:** Product is not selfigniting.

**Danger of explosion:** Product does not present an explosion hazard.

**Vapour pressure at 20°C (68°F):** 23 hPa (17 mm Hg)

**Density at 20°C (68°F):** 0,65 g/cm<sup>3</sup> (DIN 51757)

**Bulk density:** Not applicable.

**Solubility in / Miscibility with**

**Water:** Fully miscible

**pH-value at 20°C (68°F):** 10 (DIN 19261)

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|                   |                 |
|-------------------|-----------------|
| <b>Viscosity:</b> |                 |
| <b>dynamic:</b>   | Not determined. |
| <b>kinematic:</b> | Not determined. |

|                                 |                 |
|---------------------------------|-----------------|
| <b>Solvent separation test:</b> | Not applicable. |
|---------------------------------|-----------------|

|                          |       |
|--------------------------|-------|
| <b>Solvent content:</b>  |       |
| <b>Organic solvents:</b> | 0,0 % |

|                                |       |
|--------------------------------|-------|
| <b>Additional information:</b> | None. |
|--------------------------------|-------|

**10 Stability and reactivity****Thermal decomposition / Conditions to be avoided:**

No decomposition if used according to specifications.

**Dangerous reactions:** Reacts with strong oxidizing agents**Dangerous decomposition products:** No dangerous decomposition products known.**11 Toxicological information****Acute toxicity:****Primary irritant effect:****on the skin:** Skin irritation possible due to drying effect.**on the eye:** Slightly irritating**Sensitization:** No sensitizing effects known.**Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

**12 Ecological information:****Information about elimination (persistence and degradability):****Other information:** The product is difficultly biodegradable.**Ecotoxicical effects:****Remark:**

The product contains substances which causes severe clouding in water

The product contains substances which cause a local pH change and thus have a detrimental effect on fish and bacteria.

**General notes:**

Do not allow product to reach ground water, water course or sewage system.

**13 Disposal considerations****Product:****Recommendation**

After prior treatment product has to be landfilled adhering to the regulations pertaining to the disposal of particularly hazardous waste.

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## European waste catalogue

17 03 02 bituminous mixtures other than those mentioned in 17 03 01

### Uncleaned packaging:

#### Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

**Recommended cleaning agent:** Water, if necessary together with cleansing agents.

## 14 Transport information

### Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)

ADR/RID-GGVS/E Class: -

### Maritime transport IMDG/GGVSea:

IMDG/GGVSea Class: -

### Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: -

**Transport/Additional information:** Not dangerous according to the above specifications.

## 15 Regulatory information

### Labelling according to EU guidelines:

The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EU" as issued in the latest valid version. 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:** Product safety department

**Contact:** Mr Gilles Weber, Tel.: ++33(0)3 89 20 10 93

\* **Data compared to the previous version altered.**

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**1 Identification of the substance/preparation and of the company/undertaking****Product details**Trade name **Superflex 10 Komp. B**

Safety data sheet no.: 49PD10481-b/4

**Application of the substance / the preparation**

Bitumen sealing

cold-setting glue

**Manufacturer/Supplier:**

maxit France s.a.s

4 rue de Mulhouse

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**Information in case of emergency:**

maxit France s.a.s

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**2 Composition/information on ingredients****Chemical characterization****Description:** Ready-mixed mortar with Portland cement**Dangerous components:**

|            |                              |                                                                                                      |          |
|------------|------------------------------|------------------------------------------------------------------------------------------------------|----------|
| 65997-15-1 | cement grey                  |  Xi; R 38-41-43 | > 50%    |
| 14808-60-7 | Siliciumdioxide (Quartzsand) |                                                                                                      | 10 - 25% |
| 65997-16-2 | Calcium aluminate clinker    |                                                                                                      | 10 - 20% |

**Additional information**

The preparation is "low chromate" according to 2003/53/EEC up to the best-before date, so that the identification with R 43 is not applicable.

For the wording of the listed risk phrases refer to section 16.

**3 Hazards identification****Hazard description:**

Xi Irritant

**Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 38 Irritating to skin.

R 41 Risk of serious damage to eyes.

Product has a strong alkaline reaction with water; therefore protect skin and eyes from corrosive properties.

**Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

EU

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**4 First aid measures****General information**

Immediately remove any clothing soiled by the product.

Remove the victim immediately from the danger area. If the patient is unwell consult a doctor and present this data sheet.

**After inhalation** Supply fresh air; consult doctor in case of complaints.**After skin contact**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

**After eye contact**

Rinse opened eye for several minutes under running water. Then consult doctor. Rinse liquid should be tempered (20-30°C).

**After swallowing**

Rinse out mouth with water. Do not induce vomiting. Seek medical attention and present this data sheet.

**Information for doctor** None**5 Fire fighting measures****Suitable extinguishing agents**

Use fire extinguishing methods suitable to surrounding conditions.

**Protective equipment:** Use methods suitable to surrounding conditions.**6 Accidental release measures****Person-related safety precautions:**

Wear protective clothing.

Avoid formation of dust.

**Measures for environmental protection:**

Do not allow product to reach sewage system or any water course.

**Measures for cleaning/collecting:**

Pick up mechanically.

Dispose of the material collected according to regulations.

**Additional information:** See Section 13 for disposal information.**7 Handling and storage****Handling****Information for safe handling:**

Keep receptacles tightly sealed.

Prevent formation of dust.

**Information about fire - and explosion protection:** No special measures required.**Storage****Requirements to be met by storerooms and receptacles:**

Store only in unopened original receptacles.

Store in a cool location.

**Information about storage in one common storage facility:**

Do not store together with acids.

Store away from foodstuffs.

**Further information about storage conditions:**

Store in cool, dry conditions in well sealed receptacles.

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Protect from humidity and water.

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## 8 Exposure controls and personal protection

**Additional information about design of technical facilities:** No further data; see item 7.

**Ingredients with limit values that require monitoring at the workplace:**
**Additional information:**

Te applicable TRGS 900 (MAK list) was used as the basis for the preparation and/or revision of this safety data sheet.

**Personal protective equipment:**
**General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Use a moisturising skin cream after processing the product.

**Respiratory protection:**

Use suitable respiratory protective device in case of insufficient ventilation.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Short term filter device:

Filter P2.

**Protection of hands:**

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

Rubber gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** Tightly sealed goggles

**Body protection:** Protective work clothing.

## 9 Physical and chemical properties:

### General Information

|                |                |
|----------------|----------------|
| <b>Form:</b>   | Powder         |
| <b>Colour:</b> | Grey           |
| <b>Odour:</b>  | Characteristic |

### Change in condition

|                                     |               |
|-------------------------------------|---------------|
| <b>Melting point/Melting range:</b> | Undetermined. |
| <b>Boiling point/Boiling range:</b> | Undetermined. |

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|                                                               |                                               |
|---------------------------------------------------------------|-----------------------------------------------|
| <b>Flash point:</b>                                           | Not applicable                                |
| <b>Flammability (solid, gaseous):</b>                         | Product is not flammable.                     |
| <b>Self-igniting:</b>                                         | Product is not selfigniting.                  |
| <b>Danger of explosion:</b>                                   | Product does not present an explosion hazard. |
| <b>Vapour pressure:</b>                                       | Not applicable.                               |
| <b>Density:</b>                                               | Not applicable.                               |
| <b>Bulk density:</b>                                          | 1300 kg/m <sup>3</sup>                        |
| <b>Solubility in / Miscibility with Water at 20°C (68°F):</b> | 1,5 g/l                                       |
| <b>pH-value at 20°C (68°F):</b>                               | >12,0 (DIN 19261)<br>In water                 |
| <b>Viscosity:</b>                                             |                                               |
| <b>dynamic:</b>                                               | Not applicable.                               |
| <b>kinematic:</b>                                             | Not applicable.                               |
| <b>Solvent content:</b>                                       |                                               |
| <b>Organic solvents:</b>                                      | 0,0 %                                         |
| <b>Solids content:</b>                                        | 100,0 %                                       |
| <b>Additional information:</b>                                | None.                                         |

**10 Stability and reactivity****Thermal decomposition / Conditions to be avoided:**

No decomposition if used according to specifications.

**Dangerous reactions:**

Reacts with acids

Reacts with light alloys in the presence of moisture to form hydrogen

**Dangerous decomposition products:** No dangerous decomposition products known.**11 Toxicological information****Acute toxicity:****Primary irritant effect:****on the skin:** Irritant to skin and mucous membranes.**on the eye:** Strong irritant with the danger of severe eye injury.**Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

Irritant

**12 Ecological information:****Information about elimination (persistence and degradability):**

This product is according to previous experiences inert and non-degradable.

**Ecotoxicological effects:****Remark:**

The product contains substances which cause a local pH change and thus have a detrimental effect on fish and bacteria.

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**General notes:**

Do not allow product to reach ground water, water course or sewage system.

**13 Disposal considerations****Product:****Recommendation**

Product hardens after adding water after 5 to 6 hours and can then be disposed of as building rubbish.

**European waste catalogue**

|          |                                                                                                  |
|----------|--------------------------------------------------------------------------------------------------|
| 10 13 11 | wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10 |
| 10 13 14 | waste concrete and concrete sludge                                                               |

**Uncleaned packaging:****Recommendation:**

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

**Recommended cleaning agent:** Thoroughly shake out sacks.**14 Transport information****Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**

ADR/RID-GGVS/E Class: -

**Maritime transport IMDG/GGVSea:**

IMDG/GGVSea Class: -

**Air transport ICAO-TI and IATA-DGR:**

ICAO/IATA Class: -

**Transport/Additional information:** Not dangerous according to the above specifications.**15 Regulatory information****Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

Observe the general safety regulations when handling chemicals.

**Code letter and hazard designation of product:**

Xi Irritant

**Hazard-determining components of labelling:**

cement grey

**Risk phrases:**

38 Irritating to skin.

41 Risk of serious damage to eyes.

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**Safety phrases:**

- 22 Do not breathe dust.  
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
28 After contact with skin, wash immediately with plenty of water.  
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

**Special labelling of certain preparations:**

Product has a strong alkaline reaction with water; therefore protect skin and eyes from corrosive properties.

**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.

**Relevant R-phrases**

- 38 Irritating to skin.  
41 Risk of serious damage to eyes.  
43 May cause sensitisation by skin contact.

**Department issuing MSDS:** Product safety department

**Contact:** Mr Gilles Weber, Tel.: ++33(0)3 89 20 10 93

**\* Data compared to the previous version altered.**

EU