

## PL1033ARA735 - FREOPOX-Powder Coating, RAL7035 Light grey

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

#### 1.1. Product identifier

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

##### Use of the substance/mixture

For use in industrial installations only.

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

Company name:	Emil Frei GmbH & Co. KG
Street:	Am Bahnhof 6
Place:	D-78199 Bräunlingen/ GERMANY
Telephone:	+49(0)7707/151-0
e-mail:	info@freilacke.de
Contact person:	Produktsicherheit
e-mail:	prodsi@freilacke.de
Internet:	www.freilacke.de

#### 1.4. Emergency telephone number:

GBK Gefahrgut Büro GmbH, +49(0)6132-84463 (24-Hour-Number)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GB CLP Regulation

This mixture is not classified as hazardous in accordance with GB CLP Regulation.

#### 2.2. Label elements

##### GB CLP Regulation

##### Special labelling of certain mixtures

EUH210	Safety data sheet available on request.
EUH212	Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

#### 2.3. Other hazards

Do not breathe dust.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

When in doubt or if symptoms are observed, get medical advice.  
Never give anything by mouth to an unconscious person or a person with cramps.  
If unconscious but breathing normally, place in recovery position and seek medical advice.

##### After inhalation

Remove casualty to fresh air and keep warm and at rest.  
If breathing is irregular or stopped, administer artificial respiration.

##### After contact with skin

Immediately remove any contaminated clothing, shoes or stockings.  
After contact with skin, wash immediately with plenty of water and soap.  
Do not wash with: Solvents/Thinner.

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### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

### After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

Put victim at rest, cover with a blanket and keep warm.

Do NOT induce vomiting.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

alcohol resistant foam, Carbon dioxide (CO<sub>2</sub>)-Extinguishing blanket, Water mist

#### Unsuitable extinguishing media

Full water jet

Gases under pressure - Inert gas: nitrogen, Carbon dioxide (CO<sub>2</sub>).

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

Burning produces heavy smoke.

Hazardous decomposition products: carbon black. Health hazard.

Use appropriate respiratory protection.

### 5.3. Advice for firefighters

Use water spray jet to protect personnel and to cool endangered containers.

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

Keep away from sources of ignition - No smoking. Ventilate affected area.

Do not breathe dust.

Safe handling: see section 7

Personal protection equipment: see section 8

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

Use approved industrial vacuum cleaner for removal. Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.

Do not use a dry brush as dust clouds or static can be created. Keep wetted with water.

Collect in closed and suitable containers for disposal. Treat the recovered material as prescribed in the section on waste disposal.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Avoid: exceeding exposure limit values- Occupational exposure limit values.

Avoid contact with skin, eyes and clothes.

Do not breathe dust/fume/gas/mist/vapours/spray. When using do not eat, drink, smoke, sniff. Personal protection equipment: see section 8

according to UK REACH Regulation

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**Advice on protection against fire and explosion**

Avoid dust formation. - Explosive

Use explosion-proof electrical equipment. This material can accumulate static charge by flow or agitation and can be ignited by static discharge. Provide earthing of containers, equipment, pumps and ventilation facilities.

Take precautionary measures against static discharges. Wear anti-static footwear and clothing. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

**Further information on handling**

Keep only in original packaging.

Do not allow to enter into surface water or drains.

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

Store in accordance with: National regulations

**Further information on storage conditions**

Follow the instructions for use on the label.

Keep container tightly closed in a cool, well-ventilated place. Protect from sunlight. Keep away from sources of ignition - No smoking. Store in a place accessible by authorized persons only. Always close containers tightly after the removal of product.

**SECTION 8: Exposure controls/personal protection**
**8.1. Control parameters**
**Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
1317-65-3	Calcium carbonate, inhalable dust	-	10		TWA (8 h)	WEL
13463-67-7	Titanium dioxide, total inhalable	-	10		TWA (8 h)	WEL

**8.2. Exposure controls**
**Appropriate engineering controls**

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

**Protective and hygiene measures**

Do not breathe dust.

**Eye/face protection**

Wear eye/face protection. (Generation/formation of dust)

**Hand protection**

Wear protective gloves. Replace when worn. 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. Observe the wear time limits as specified by the manufacturer.

Suitable material: NBR (Nitrile rubber) (Wear cotton undermitten if possible.)

Use protective skin cream before handling the product. Barrier creams are not substitutes for body protection.

**Skin protection**

Only wear fitting, comfortable and clean protective clothing.

Warning: Causes skin irritation.

Following skin contact: Wash with plenty of water/soap.

Do not wash with: Solvents/Thinner

according to UK REACH Regulation

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**Respiratory protection**

Respiratory protection necessary at: exceeding exposure limit values.  
Use appropriate respiratory protection.

**Environmental exposure controls**

Do not allow to enter into surface water or drains.

**SECTION 9: Physical and chemical properties**
**9.1. Information on basic physical and chemical properties**

Physical state:	Powder
Colour:	See section 1
Odour:	not determined

Remark

pH-Value (at 20 °C):

**Changes in the physical state**

Melting point/freezing point: &gt;70 °C

Boiling point or initial boiling point and boiling range: not applicable

Flash point: not applicable -

**Explosive properties**

Dust can form an explosive mixture with air.

Lower explosion limits: 34-77 g/m<sup>3</sup>

Upper explosion limits: not applicable

Auto-ignition temperature: not determined

Density (at 20 °C): 1,62 g/cm<sup>3</sup>Bulk density (at 20 °C): 400-1000 kg/m<sup>3</sup>

Water solubility: The study does not need to be conducted because the substance is known to be insoluble in water.

Flow time: not applicable 4 mm  
(at 23 °C)

**9.2. Other information**

Solid content: 100,00 %

Minimum ignition temperature of a dust cloud: 430-600

**SECTION 10: Stability and reactivity**
**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

**10.4. Conditions to avoid**

May form hazardous decomposition products when exposed to high temperatures.

**10.6. Hazardous decomposition products**

Nitrogen oxides (NO<sub>x</sub>), carbon black, Carbon dioxide (CO<sub>2</sub>), Carbon monoxide

**SECTION 11: Toxicological information**
**11.1. Information on toxicological effects**

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### Acute toxicity

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

### Irritation and corrosivity

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

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

### 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.

### Practical experience

#### Observations relevant to classification

Causes skin irritation.

#### Further information

There are no data available on the mixture itself.

Classification according to Regulation (EC) No 1272/2008 [CLP]

Reference to other sections: 2, 3

## SECTION 12: Ecological information

#### Further information

There are no data available on the mixture itself.

Do not allow to enter into surface water or drains. If product enters soil, it will be mobile and may contaminate groundwater.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations

Do not allow to enter into surface water or drains.

Recycle according to official regulations.

#### Contaminated packaging

Completely emptied packages can be recycled.

Recycle according to official regulations.

## SECTION 14: Transport information

### Land transport (ADR/RID)

<b><u>14.1. UN number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.4. Packing group:</u></b>	No dangerous good in sense of this transport regulation.

### Marine transport (IMDG)

<b><u>14.1. UN number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.

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**14.4. Packing group:** No dangerous good in sense of this transport regulation.

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

**14.1. UN number:** No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.

**14.4. Packing group:** No dangerous good in sense of this transport regulation.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

No dangerous good in sense of this transport regulation.

**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**

**EU regulatory information**

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

**National regulatory information**

Water hazard class (D): 1 - slightly hazardous to water

**Additional information**

Observe in addition any national regulations!

**SECTION 16: Other information**

**Changes**

This data sheet contains changes from the previous version in section(s): 2,9,15.

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

EUH210 Safety data sheet available on request.

EUH212 Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

**Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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