

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## PU151 MET S AG SG

Version	Revision Date:	SDS Number:	Date of last issue: 22.03.2023
1.2	08.11.2023	100000000100	Date of first issue: 12.01.2023

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

#### 1.1 Product identifier

Trade name : PU151 MET S AG SG  
Product code : 000000000000013591  
13591

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

Use of the Sub- : Powder coating  
stance/Mixture

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

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• Vertrieb Deutschland

KABE Pulverlack Deutschland GmbH Sofienstrasse 36 D-76676 Graben-Neudorf Telefon: +49

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KABE-Farben GmbH Langegasse 31 A-6850 Dornbirn Telefon (Bürozeiten): +43 (0)5572-21568, Tele-

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• Vertrieb Polen:

Farby KABE Polska Sp. z o.o. ul. Slaska 88, 40-742 Katowice tel. +48 32 204 64 60, fax +48 32 204

64 66, (Bürozeiten),

proszkowe@farbykabe.pl

#### 1.4 Emergency telephone number

Switzerland: Poisoning emergencies: Tox Info Suisse, telephone: +41 (0)44/251 66 66 or 145 (only within Switzerland) Germany: Poison Control Center Berlin: +49(0)30-19240 Austria: Poison Control Center AKA Vienna: +43(0)1/4064343 Poland: National Poison Information Center and Clinical Department of Toxicology: +48(42)6579900

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)**

Not a hazardous substance or mixture.

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## PU151 MET S AG SG

Version 1.2      Revision Date: 08.11.2023      SDS Number: 100000000100      Date of last issue: 22.03.2023  
Date of first issue: 12.01.2023

### 2.2 Label elements

**Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)**

Not a hazardous substance or mixture.

#### Additional Labelling

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

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature      :    Paint

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Substances with a workplace exposure limit :			
Fumes, silica	69012-64-2 273-761-1		>= 1 - < 10
barium sulfate	7727-43-7 231-784-4		>= 1 - < 10
mica	12001-26-2 601-648-2		>= 1 - < 10
manganese ferrite black spinel	68186-94-7 269-056-3		>= 1 - < 10

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice      :    Do not leave the victim unattended.

If inhaled      :    If unconscious, place in recovery position and seek medical advice.

# SAFETY DATA SHEET

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## PU151 MET S AG SG

Version	Revision Date:	SDS Number:	Date of last issue: 22.03.2023
1.2	08.11.2023	100000000100	Date of first issue: 12.01.2023

---

If symptoms persist, call a physician.

In case of eye contact : Remove contact lenses.  
Protect unharmed eye.  
If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.

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

None known.

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

Treatment : Treat symptomatically.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Standard procedure for chemical fires.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.  
Avoid dust formation.

### 6.2 Environmental precautions

Environmental precautions : If the product contaminates rivers and lakes or drains inform respective authorities.

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

Methods for cleaning up : Pick up and arrange disposal without creating dust.  
Sweep up and shovel.  
Keep in suitable, closed containers for disposal.

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# SAFETY DATA SHEET

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UK REACH Regulations SI 2019/758



## PU151 MET S AG SG

Version 1.2      Revision Date: 08.11.2023      SDS Number: 100000000100      Date of last issue: 22.03.2023  
Date of first issue: 12.01.2023

### 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Advice on safe handling : For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.
- Advice on protection against fire and explosion : Provide appropriate exhaust ventilation at places where dust is formed.
- Hygiene measures : Avoid contact with skin, eyes and clothing.

### 7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Electrical installations / working materials must comply with the technological safety standards.
- Advice on common storage : No materials to be especially mentioned.
- Further information on storage stability : Keep in a dry place.  
No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Fumes, silica	69012-64-2	TWA (inhalable dust)	6 mg/m <sup>3</sup> (Silica)	GB EH40
		TWA (Respirable dust)	2,4 mg/m <sup>3</sup> (Silica)	GB EH40
barium sulfate	7727-43-7	TWA (inhalable dust)	10 mg/m <sup>3</sup>	GB EH40
		TWA (Respirable dust)	4 mg/m <sup>3</sup>	GB EH40
mica	12001-26-2	TWA (Inhalable)	10 mg/m <sup>3</sup>	GB EH40
		TWA (Respirable fraction)	0,8 mg/m <sup>3</sup>	GB EH40
manganese ferrite black spinel	68186-94-7	TWA (Fumes)	5 mg/m <sup>3</sup> (Iron)	GB EH40

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According to REACH Regulation (EC) No 1907/2006, as amended by  
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## PU151 MET S AG SG

Version 1.2      Revision Date: 08.11.2023      SDS Number: 100000000100      Date of last issue: 22.03.2023  
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		STEL (Fumes)	10 mg/m <sup>3</sup> (Iron)	GB EH40
		TWA (Inhalable)	0,2 mg/m <sup>3</sup> (Manganese)	GB EH40
		TWA (Respirable fraction)	0,05 mg/m <sup>3</sup> (Manganese)	GB EH40
		TWA (inhalable fraction)	0,2 mg/m <sup>3</sup> (Manganese)	2017/164/EU
Further information: Indicative				
		TWA (Respirable fraction)	0,05 mg/m <sup>3</sup> (Manganese)	2017/164/EU
Further information: Indicative				

### 8.2 Exposure controls

#### Personal protective equipment

Eye/face protection : Equipment should conform to EN 166

Hand protection

Material : Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.

Remarks : The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature). Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Skin should be washed after contact. Use a high fat protective cream after cleaning skin.

Skin and body protection : Workers should wear antistatic footwear.

Respiratory protection : Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).

Suitable respiratory equipment:  
Half mask with a particle filter P2 (EN 143)

Protective measures : Ensure staff are informed of and trained on the nature of exposure and basic actions to minimise exposure.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## PU151 MET S AG SG

Version	Revision Date:	SDS Number:	Date of last issue: 22.03.2023
1.2	08.11.2023	100000000100	Date of first issue: 12.01.2023

---

Appearance	:	powder
Colour	:	pigmented
Odour	:	very faint
Flash point	:	Not applicable
Lower explosion limit / Lower flammability limit	:	Lower explosion limit 50.000 - 90.000 mg/m <sup>3</sup>
Density	:	1,9582 g/cm <sup>3</sup> (20 °C) Method: Calculated value
Solubility(ies) Water solubility	:	insoluble

### 9.2 Other information

No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions	:	Stable under recommended storage conditions. No hazards to be specially mentioned. Dust may form explosive mixture in air.
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### 10.4 Conditions to avoid

Conditions to avoid	:	No data available
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### 10.5 Incompatible materials

Materials to avoid	:	Not applicable
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### 10.6 Hazardous decomposition products

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Not classified based on available information.

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## PU151 MET S AG SG

Version	Revision Date:	SDS Number:	Date of last issue: 22.03.2023
1.2	08.11.2023	100000000100	Date of first issue: 12.01.2023

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### Components:

#### **barium sulfate:**

Acute oral toxicity : LD50 (Rat): > 15.000 mg/kg

#### **manganese ferrite black spinel:**

Acute oral toxicity : LD50 (Rat): > 10.000 mg/kg

#### **Skin corrosion/irritation**

Not classified based on available information.

#### **Serious eye damage/eye irritation**

Not classified based on available information.

#### **Respiratory or skin sensitisation**

##### **Skin sensitisation**

Not classified based on available information.

##### **Respiratory sensitisation**

Not classified based on available information.

##### **Germ cell mutagenicity**

Not classified based on available information.

##### **Carcinogenicity**

Not classified based on available information.

##### **Reproductive toxicity**

Not classified based on available information.

##### **STOT - single exposure**

Not classified based on available information.

##### **STOT - repeated exposure**

Not classified based on available information.

##### **Aspiration toxicity**

Not classified based on available information.

##### **Further information**

### Product:

Remarks : No data available

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## SECTION 12: Ecological information

### 12.1 Toxicity

No data available

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According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## PU151 MET S AG SG

Version	Revision Date:	SDS Number:	Date of last issue: 22.03.2023
1.2	08.11.2023	100000000100	Date of first issue: 12.01.2023

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### 12.2 Persistence and degradability

#### Components:

##### **barium sulfate:**

Biodegradability :

Result: Not biodegradable

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Other adverse effects

#### Product:

Endocrine disrupting potential : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Additional ecological information : No data available

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Do not dispose of with domestic refuse.  
Dispose of in accordance with local regulations.  
Refer to manufacturer/ supplier/ for information on disposal/ recovery/ recycling.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.  
Packaging that is not properly emptied must be disposed of as the unused product.



# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## PU151 MET S AG SG

Version	Revision Date:	SDS Number:	Date of last issue: 22.03.2023
1.2	08.11.2023	100000000100	Date of first issue: 12.01.2023

---

### SECTION 14: Transport information

#### 14.1 UN number

ADR : Not regulated as a dangerous good  
RID : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA : Not regulated as a dangerous good

#### 14.2 UN proper shipping name

ADR : Not regulated as a dangerous good  
RID : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA : Not regulated as a dangerous good

#### 14.3 Transport hazard class(es)

ADR : Not regulated as a dangerous good  
RID : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA : Not regulated as a dangerous good

#### 14.4 Packing group

ADR : Not regulated as a dangerous good  
RID : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA (Cargo) : Not regulated as a dangerous good  
IATA (Passenger) : Not regulated as a dangerous good

#### 14.5 Environmental hazards

Not regulated as a dangerous good

#### 14.6 Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport regulations.

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

Not applicable for product as supplied.

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### SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

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## PU151 MET S AG SG

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1.2	08.11.2023	10000000100	Date of first issue: 12.01.2023

- |   |   |   |
|---|---|---|
| UK REACH List of restrictions (Annex 17)  | : | Conditions of restriction for the following entries should be considered:<br>3-trimethoxysilylpropyl methacrylate<br>(Number on list 3) |
| UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation                             | : | Not applicable  |
| The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain) | : | Not applicable  |
| Regulation (EC) No 1005/2009 on substances that deplete the ozone layer   | : | Not applicable  |
| UK REACH List of substances subject to authorisation (Annex XIV)  | : | Not applicable  |
| GB Export and import of hazardous chemicals - Prior Informed Consent (PIC) Regulation                           | : | Fumes, silica<br>barium sulfate<br>mica<br>manganese ferrite black spinel   |
| Control of Major Accident Hazards Regulations 2015 (COMAH)  | : | Not applicable  |

**The components of this product are reported in the following inventories:**

- |      |   |   |
|------|---|---|
| TCSI | : | Not in compliance with the inventory  |
| TSCA | : | Product contains substance(s) not listed on TSCA inventory.                               |
| AIIC | : | Not in compliance with the inventory  |
| DSL  | : | This product contains the following components that are not on the Canadian DSL nor NDSL. |

Polyesterharz  
127184-53-6  
13463-67-7  
8001-78-3

Quaternary ammonium compounds, benzyl(hydrogenated tallow alkyl)dimethyl, stearates, salts with bentonite  
Silicic acid, aluminum sodium salt, sulfurized

- |       |   |                                      |
|-------|---|--------------------------------------|
| ENCS  | : | Not in compliance with the inventory |
| ISHL  | : | Not in compliance with the inventory |
| KECI  | : | Not in compliance with the inventory |
| PICCS | : | Not in compliance with the inventory |

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## PU151 MET S AG SG

Version	Revision Date:	SDS Number:	Date of last issue: 22.03.2023
1.2	08.11.2023	100000000100	Date of first issue: 12.01.2023

IECSC : Not in compliance with the inventory  
NZIoC : Not in compliance with the inventory  
TECI : Not in compliance with the inventory

### 15.2 Chemical safety assessment

#### SECTION 16: Other information

##### Full text of other abbreviations

2017/164/EU : Europe. Commission Directive 2017/164/EU establishing a fourth list of indicative occupational exposure limit values  
GB EH40 : UK. EH40 WEL - Workplace Exposure Limits  
2017/164/EU / TWA : Limit Value - eight hours  
GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)  
GB EH40 / STEL : Short-term exposure limit (15-minute reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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UK REACH Regulations SI 2019/758



## PU151 MET S AG SG

Version	Revision Date:	SDS Number:	Date of last issue: 22.03.2023
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---

### Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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