

MINPUR Synfol-Gelbgold 1.2

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Date of issue: 28/5/2018 Revision date: 28/5/2018 Supersedes: 1/11/2016 Version: 2.00

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

1.1. Product identifier

Product form : Mixture
Trade name : MINPUR Synfol-Gelbgold 1.2

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Pigment
Technical applications
Golden effect coating for absorbent mineral surfaces indoors and outdoors

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

SYNFOLA GmbH
Seestrasse 24 C
8806 Bäch SZ - Schweiz
T +41 (0)55 283 36 90 - F +41 (0)55 283 36 91

Email competent person

sds@kft.de

1.4. Emergency telephone number

Emergency number : National Health Service (NHS)
24 hour national number consumer
England and Scotland: 111
Wales: 0845 46 47
Northern Ireland: call your local General Practitioner

Call 999 if there is a life-threatening incident.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

No labelling applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Comments : Mixture of inorganic substances

Comments : For further components with national limit values which require monitoring at the workplace please see chapter 8.

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II

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SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : When in doubt or if symptoms are observed, get medical advice.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If breathing stops, give artificial respiration.
- First-aid measures after skin contact : Wash skin with plenty of water.
- First-aid measures after eye contact : Rinse eyes with water as a precaution. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Do not give milk. Get medical advice/attention.

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

- Symptoms/effects after inhalation : Local irritation symptoms. Cough.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam, extinguishing powder. Use extinguishing media appropriate for surrounding fire.
- Unsuitable extinguishing media : Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

- Reactivity in case of fire : The product is not flammable.
- Hazardous decomposition products in case of fire : None known.

5.3. Advice for firefighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
- Other information : Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Use protective clothing.

6.1.1. For non-emergency personnel

- Protective equipment : Wear personal protective equipment.
- Measures in case of dust release : Avoid dust formation. Do not breathe dust. Ensure adequate air ventilation.

6.1.2. For emergency responders

- Protective equipment : For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Ensure adequate air ventilation. Disposal must be done according to official regulations.
- Other information : Shovel into suitable and closed container for disposal.

6.4. Reference to other sections

Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Avoid dust formation. Do not breathe dust.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep container tightly closed.
- Information about storage in one common storage facility : Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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EU	Local name	Titanium dioxide
EU	IOELV TWA (mg/m ³)	1,58 mg/m ³
EU	IOELV TWA (ppm)	1 ppm
EU	IOELV STEL (mg/m ³)	3,16 mg/m ³
EU	IOELV STEL (ppm)	2 ppm
EU	Notes	(Ongoing)
EU	Regulatory reference	SCOEL Recommendations
United Kingdom	Local name	Titanium dioxide
United Kingdom	WEL TWA (mg/m ³)	4 mg/m ³ respirable 10 mg/m ³ total inhalable
United Kingdom	WEL TWA (ppm)	1 ppm
United Kingdom	WEL STEL (mg/m ³)	1,6 mg/m ³
United Kingdom	WEL STEL (ppm)	1 ppm
United Kingdom	Regulatory reference	EH40. HSE

Exposure limit values for the other components

Tin (7440-31-5)			
EU	Local name	Tin (inorganic compounds as Sn)	
EU	IOELV TWA (mg/m ³)	2 mg/m ³	
EU	Regulatory reference	COMMISSION DIRECTIVE 91/322/EEC	
United Kingdom	Local name	Tin	
United Kingdom	WEL TWA (mg/m ³)	2 mg/m ³ compounds, inorganic, except SnH ₄ , (as Sn) 0,1 mg/m ³ compounds, organic, except Cyhexatin (ISO), (as Sn)	
United Kingdom	WEL STEL (mg/m ³)	4 mg/m ³ compounds, inorganic, except SnH ₄ , (as Sn) 0,2 mg/m ³ compounds, organic, except Cyhexatin (ISO), (as Sn)	

(16984-48-8)

United Kingdom	Local name	Fluoride	
United Kingdom	WEL TWA (mg/m ³)	2,5 mg/m ³ (inorganic as F)	
United Kingdom	Regulatory reference	EH40. HSE	

fluorine (7782-41-4)

EU	Local name	Fluorine	
EU	IOELV TWA (mg/m ³)	1,58 mg/m ³	
EU	IOELV TWA (ppm)	1 ppm	
EU	IOELV STEL (mg/m ³)	3,16 mg/m ³	
EU	IOELV STEL (ppm)	2 ppm	
EU	Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC	
United Kingdom	Local name	Fluorine	
United Kingdom	WEL TWA (mg/m ³)	1,6 mg/m ³	
United Kingdom	WEL TWA (ppm)	1 ppm	
United Kingdom	WEL STEL (mg/m ³)	1,6 mg/m ³	
United Kingdom	WEL STEL (ppm)	1 ppm	
United Kingdom	Regulatory reference	EH40. HSE	

Glass, oxide, chemicals (65997-17-3)

United Kingdom	Observe general threshold limit for dust.		
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Diiron trioxide (1309-37-1)

United Kingdom	Local name	Iron oxide	
United Kingdom	WEL TWA (mg/m ³)	5 mg/m ³ fume (as Fe)	

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		4 mg/m ³ Rouge, respirable 10 mg/m ³ Rouge, total inhalable	
United Kingdom	WEL STEL (mg/m ³)	10 mg/m ³ fume (as Fe)	
United Kingdom	Regulatory reference	EH40. HSE	

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

Chemically resistant protective gloves. EN 374. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. For undissolved solid substances following materials may be suitable: Nitrile rubber, Butyl rubber

Eye protection:

Safety glasses with side shields. In case of dust production: protective goggles. EN 166

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of unintentional release of substance, exceeding the occupational exposure limit value Filter type: P2. Breathing equipment is only to be used in order to handle the residual risk of short term jobs if all other risk minimizing measures have been carried out e.g. retention and/or local exhaust

Environmental exposure controls:

Avoid release to the environment.

Other information:

Always wash hands after handling the product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder.
Colour	: yellowish.
Odour	: odourless. slight.
Odour threshold	: Not applicable
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not flammable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: Not determined
Solubility	: Not determined.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Not explosive.
Oxidising properties	: Non oxidizing.
Explosive limits	:

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9.2. Other information

VOC content : 0 %

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Not specifically applicable)

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity	: Not classified (No data available)
Chronic aquatic toxicity	: Not classified (No data available)

12.2. Persistence and degradability

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Persistence and degradability	Not applicable for inorganic substances.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	Bioaccumulation unlikely.
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Disposal must be done according to official regulations. Do not dispose of with domestic waste. Do not discharge into drains or the environment. Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

- Overland transport

Not regulated

- Transport by sea

Not regulated

- Air transport

Not regulated

- Inland waterway transport

Not regulated

- Rail transport

Not regulated

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : 0 %

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

General revision.

Section	Changed item	Change	Comments
1	Trade name	Modified	

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8.1	Generic OEL data	Modified	
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KFT SDS EU 00

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product