Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

SYMIC OEM Medium Space Gold

Revision Date 09.03.2022

Print Date 11.03.2022

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

1.1 Product identifier

| Trade name | : | SYMIC OEM Medium Space Gold |
|-----------------|---|-----------------------------|
| Material number | : | 021124MJ0 |

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

This information is not available.

1.3 Details of the supplier of the safety data sheet

| Company | : ECKART GmbH |
|----------------------------|--------------------------|
| | Guentersthal 4 |
| | 91235 Hartenstein |
| Telephone | : +499152770 |
| Telefax | : +499152777008 |
| E-mail address | : msds.eckart@altana.com |
| Responsible/issuing person | |

1.4 Emergency telephone number

NCEC:

(contract no.: ECKART29003-NCEC) +44 1235 239671 (Middle East/Africa, call and response in your language) +1 215 207 0061 (Americas, call and response in your language) +65 3158 1074 (Asia-Pacific, call and response in your language)

SECTION 2: Hazards identification

GHS Classification

Not a dangerous substance according to GHS.

GHS-Labelling

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Not a hazardous substance or mixture according to the Globally Harmonised System (GHS).

Hazardous components which must be listed on the label

:

SECTION 3: Composition/information on ingredients

Substance No.

Hazardous components

| Chemical name | CAS-No. EINECS-No. | Classification and labelling | Concentration[%] |
|------------------|-------------------------|------------------------------|------------------|
| titanium dioxide | 13463-67-7 236-675-5 | Acute Tox.;5;H333 | 50 - 100 |

For the full text of the H-Statements mentioned in this Section, 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. If symptoms persist, call a physician. | | |
| In case of skin contact | : Wash off with soap and water. | | |
| In case of eye contact | : Remove contact lenses. 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. | | |
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If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

This information is not available.

4.3 Indication of any immediate medical attention and special treatment needed

This information is not available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Foam, Carbon dioxide (CO2), ABC powder

5.2 Special hazards arising from the substance or mixture

This information is not available.

5.3 Advice for firefighters

| Special protective equipment for firefighters | : | Wear self-contained breathing apparatus for firefighting if necessary. |
|--|---|--|
| Further information | : | Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Avoid dust formation.

6.2 Environmental precautions

 Environmental precautions
 : No special environmental precautions required.

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6.3 Methods and materials 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.

6.4 Reference to other sections

This information is not available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

| Advice on safe handling | For personal protection see section 8. Smoking, drinking should be prohibited in the application a | |
|---|--|------------|
| Advice on protection against fire and explosion | Provide appropriate exhaust ventilation at places s formed. | where dust |
| Hygiene measures | General industrial hygiene practice. | |

7.2 Conditions for safe storage, including any incompatibilities

| Requirements for storage areas and containers | : Electrical installations / working materials must comply with the technological safety standards. |
|---|---|
| Advice on common storage | : No materials to be especially mentioned. |
| Other data | : Keep in a dry place. No decomposition if stored and applied as directed. |

7.3 Specific end use(s)

This information is not available.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Germany:

| Components | CAS-No. | Value type (Form of exposure) | Control parameters | Update | Basis | | |
|--|----------------|-------------------------------------|--|------------|-------------|--|--|
| titanium dioxide | 13463-67- 7 | AGW (Inhalable fraction) | 10 mg/m3 | 2014-04-02 | DE TRGS 900 | | |
| Peak-limit: exc factor (categor | | 2;(II) | 2;(II) | | | | |
| titanium dioxide | 13463-67- 7 | AGW (Alveolate fraction) | 1,25 mg/m3 | 2014-04-02 | DE TRGS 900 | | |
| Peak-limit: exc factor (categor | | 2;(II) | | | | | |
| titanium dioxide | 13463-67- 7 | AGW (Inhalable fraction) | 10 mg/m3 | 2014-04-02 | DE TRGS 900 | | |
| Peak-limit: excursion factor (category) | | 2;(II) | | | | | |
| Further information General dust value. For this substance no specific occ exposure limit value is established, since the AGS doe have information regarding unspecific action on the re- organs in excess of the normal values.Commission for substancesSenate commission for the review of comp the work place dangerous for the health (MAK-commis | | | does not yet respiratory for dangerous mpounds at | | | | |
| titanium dioxide | 13463-67- 7 | AGW (Alveolate fraction) | 1,25 mg/m3 | 2014-04-02 | DE TRGS 900 | | |
| Peak-limit: excursion 2;(II) factor (category) | | | 1 | 1 | L | | |
| Further informationGeneral dust value. For this substance no specific occupational exposure limit value is established, since the AGS does not yet | | | | | | | |

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| | | have information regarding unspecific action on the respiratory organs in excess of the normal values.Commission for dangerous substancesSenate commission for the review of compounds at the work place dangerous for the health (MAK-commission). | | | | |
|---|----------------|--|------------|------------|-------------|--|
| Fluorphlogop ite (Mg3K[AIF2 O(SiO3)3]) | 12003-38- 2 | AGW (Inhalable fraction) | 1 mg/m3 | 2009-07-02 | DE TRGS 900 | |
| Peak-limit: exc factor (categor | | 4;(II) | | | | |
| Further information | | Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission).Skin absorptionWhen there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child | | | | |
| Fluorphlogop ite (Mg3K[AIF2 O(SiO3)3]) | 12003-38- 2 | TWA | 2,5 mg/m3 | 2000-06-16 | 2000/39/EC | |
| Further informa | ation | Indicative | | | | |
| diiron trioxide | 1309-37-1 | AGW (Inhalable fraction) | 10 mg/m3 | 2014-04-02 | DE TRGS 900 | |
| Peak-limit: exc factor (categor | y) | 2;(II) | | | | |
| diiron trioxide | 1309-37-1 | AGW (Alveolate fraction) | 1,25 mg/m3 | 2014-04-02 | DE TRGS 900 | |
| Peak-limit: exc factor (categor | y) | 2;(II) | | | - | |
| diiron trioxide | 1309-37-1 | AGW (Alveolate fraction) | 2,6 mg/m3 | 2009-02-16 | DE TRGS 900 | |
| Peak-limit: exc factor (categor | | 2;(II) | | | | |
| Further information | | Commission for dangerous substances | | | | |

United States of America (USA):

| | Components | CAS-No. | Value type (Form of exposure) | Control parameters | Update | Basis | |
|--------|------------|---------|-------------------------------------|--------------------|---------|----------------|---|
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| titanium dioxide | 13463-67- 7 | TWA (total dust) | 50 Million particles per cubic foot | 2012-07-01 |
|---|----------------|--------------------------------|--|------------|
| titanium dioxide | 13463-67- 7 | TWA (total dust) | 15 mg/m3 | 2012-07-01 |
| titanium dioxide | 13463-67- 7 | TWA (respirable fraction) | 5 mg/m3 | 2012-07-01 |
| titanium dioxide | 13463-67- 7 | TWA (respirable fraction) | 15 Million particles per cubic foot | 2012-07-01 |
| titanium dioxide | 13463-67- 7 | PEL (Total dust) | 10 mg/m3 | 2014-11-26 |
| titanium dioxide | 13463-67- 7 | PEL (respirable dust fraction) | 5 mg/m3 | 2014-11-26 |
| titanium dioxide | 13463-67- 7 | TWA (total dust) | 15 mg/m3 | 2011-07-01 |
| titanium dioxide | 13463-67- 7 | TWA (Total dust) | 10 mg/m3 | 1989-01-19 |
| titanium dioxide | 13463-67- 7 | PEL (Total dust) | 10 mg/m3 | 2014-11-26 |
| titanium dioxide | 13463-67- 7 | PEL (respirable dust fraction) | 5 mg/m3 | 2014-11-26 |
| titanium dioxide | 13463-67- 7 | TWA | 10 mg/m3 | 2014-03-01 |
| Fluorphlogop ite (Mg3K[AIF2 O(SiO3)3]) | 12003-38- 2 | TWA | 2,5 mg/m3 | 2007-01-01 |
| Fluorphlogop ite | 12003-38- 2 | TWA | 2,5 mg/m3 | 2010-03-01 |

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| | | Constrained access that is seen to college a reserve |



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| | | |

| (Mg3K[AIF2 O(SiO3)3]) | | | | | |
|--------------------------|-----------|-----|-----------|------------|--|
| Fluorphlogop | 12003-38- | TWA | 2,5 mg/m3 | 1989-01-19 | |
| ite | 2 | | | | |
| (Mg3K[AIF2 | | | | | |
| O(SiO3)3]) | | | | | |

8.2 Exposure controls

| Personal protective equipment | | | | | | |
|---|-----|---|--|--|--|--|
| Eye protection | : | Safety glasses | | | | |
| Skin and body protection | : | Protective suit | | | | |
| Respiratory protection | : | No personal respiratory protective equipment normally required. | | | | |
| Environmental exposure co General advice | ntr | ols No special environmental precautions required. | | | | |
| | • | no special environmental precautions required. | | | | |

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| Appearance | : powder | |
|----------------|---|--|
| Colour | : gold | |
| Odour | : odourless | |
| рН | : substance/mixture is non-soluble (in water) | |
| Freezing point | : No data available | |

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| | | |

| Boiling point/boiling range Flash point | : | No data available No data available |
|--|---|--|
| Bulk density | : | 0,4 g/cm3 |
| Flammability (solid, gas) | : | Will not burn |
| Auto-flammability | : | No data available |
| Upper explosion limit | : | No data available |
| Lower explosion limit | : | No data available |
| Vapour pressure | : | No data available |
| Density | : | 3,6 g/cm3 |
| Water solubility | : | No data available |
| Miscibility with water | : | immiscible |
| Solubility in other solvents | : | No data available |
| Partition coefficient: n-octanol/water | : | No data available |
| Ignition temperature | : | No data available |
| Thermal decomposition | : | No data available |
| Viscosity, dynamic | : | No data available |
| Viscosity, kinematic | : | No data available |
| Flow time | : | No data available |

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

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| | | |
| No decomposition if stored a | nd applied as directed. | |
| 10.2 Chemical stability | | |
| No decomposition if stored a | nd applied as directed. | |
| 10.3 Possibility of hazardous re | actions | |
| Hazardous reactions | : Stable under recommended storage control to be specially mentioned. | onditions., No hazards |
| 10.4 Conditions to avoid | | |
| Conditions to avoid | : No data available | |
| 10.5 Incompatible materials | | |
| Materials to avoid | : No data available | |
| 10.6 Hazardous decomposition | products | |
| Hazardous decomposition products | : No data available | |
| Other information | : No data available | |
| SECTION 11: Toxicological i | nformation | |
| 11.1 Information on toxicologic | al effects | |

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Acute toxicity

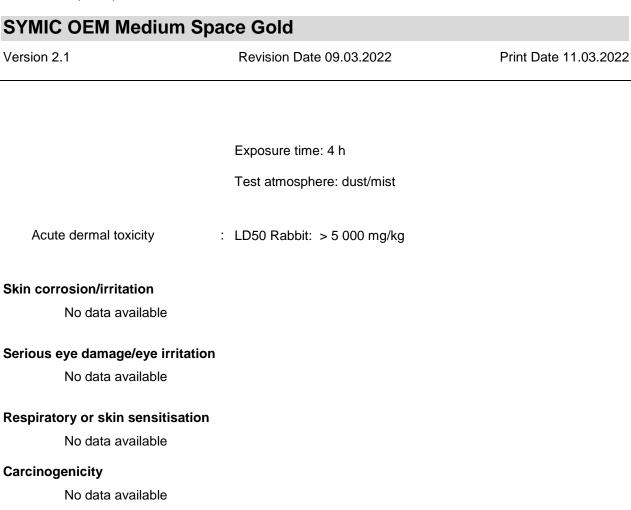
Components:

| titanium dioxide : | | | |
|---------------------|---|-----------|---------------|
| Acute oral toxicity | : | LD50 Rat: | > 5 000 mg/kg |

Acute inhalation toxicity : LC50 Rat: 6,8 mg/l

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|---------------------------|-----------------------------|

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Toxicity to reproduction/fertility

No data available

Reprod.Tox./Development/Teratogenicity

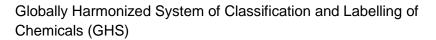
No data available

STOT - single exposure

No data available

STOT - repeated exposure

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No data available

Aspiration toxicity

No data available

Further information

Product

No data available

SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

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| | | |

12.6 Other adverse effects

Product:

Additional ecological information

: No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Contaminated packaging

: Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information

14.1 UN number

ADR Not dangerous goods TDG Not dangerous goods CFR

Not dangerous goods

IMDG

Not dangerous goods

ΙΑΤΑ

Not dangerous goods

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|--------------|--------------|-----------------------------|





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| | |

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14.2 Proper shipping name

ADR Not dangerous goods TDG Not dangerous goods CFR Not dangerous goods IMDG Not dangerous goods ΙΑΤΑ Not dangerous goods 14.3 Transport hazard class ADR Not dangerous goods TDG Not dangerous goods CFR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.4 Packing group

ADR

Not dangerous goods

TDG

Not dangerous goods

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| | | |



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CFR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.5 Environmental hazards

14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

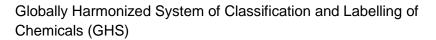
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

SECTION 15: Regulatory information

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

| REACH - Candidate List of Su Concern for Authorisation (Art | | : No | ot applicable |
|---|----------------------|------|-----------------------------|
| Regulation (EC) No 1005/2009 deplete the ozone layer | 9 on substances that | : No | ot applicable |
| Regulation (EU) 2019/1021 on persistent organic pollutants (recast) | | : No | ot applicable |
| REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, | | : No | ot applicable |
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preparations and articles (Annex XVII)

15.2 Chemical safety assessment

No data available

SECTION 16: Other information

Full text of H-Statements

H333

: May be harmful if inhaled.

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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