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

# SYMIC OEM MEDIUM SILVER

Version 3.1

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 SILVER
Material number	:	035636MJ0

#### 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	20 - 25

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	advice.	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.	: Wash off with soap and water.		
In case of eye contact	: Remove contact lenses. If eye irritation persists, consult a specialist.			
If swallowed	5	<ul> <li>Keep respiratory tract clear.</li> <li>Do not give milk or alcoholic beverages.</li> <li>Never give anything by mouth to an unconscious person.</li> </ul>		
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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, 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	:	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	
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 information	ation	Indicative				
titanium dioxide	13463-67- 7	AGW (Inhalable fraction)	10 mg/m3	2014-04-02	DE TRGS 900	
Peak-limit: exc factor (categor		2;(II)				
titanium dioxide	13463-67- 7	AGW (Alveolate fraction)	1,25 mg/m3	2014-04-02	DE TRGS 900	
Peak-limit: excursion factor (category)		2;(II)		1		
titanium dioxide	13463-67- 7	AGW (Inhalable fraction)	10 mg/m3	2014-04-02	DE TRGS 900	
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Peak-limit: exc factor (categor		2;(II)			
Further informa	ation	General dust value. For this substance no specific occupational exposure limit value is established, since the AGS does not yet 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).			
titanium dioxide	13463-67- 7	AGW (Alveolate 1,25 mg/m3 2014-04-02 DE TRGS 900 fraction)			
Peak-limit: excursion factor (category)		2;(II)			
Further informa	ation	General dust value. For this substance no specific occupational exposure limit value is established, since the AGS does not yet 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).			

## United States of America (USA):

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

# 8.2 Exposure controls

# Personal protective equipment

Eye protection : Safety glasses

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Skin and body protection	:	Protective suit	
Respiratory protection	:	No personal respiratory protective equi required.	pment normally
<b>Environmental exposure c</b> General advice	contr	<b>ols</b> No special environmental precautions r	required.

## **SECTION 9: Physical and chemical properties**

## 9.1 Information on basic physical and chemical properties

Appearance	: powder
Colour	: silver
Odour	: characteristic
pН	: substance/mixture is non-soluble (in water)
Freezing point	: No data available
Boiling point/boiling range	: No data available
Flash point	: No data available
Bulk density	: 0,28 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	: 3,15 g/cm3
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## Solubility(ies)

Water solubility	:	insoluble
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

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.

## 10.4 Conditions to avoid

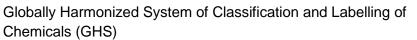
Conditions to avoid

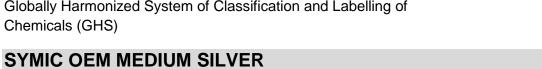
: No data available

#### 10.5 Incompatible materials

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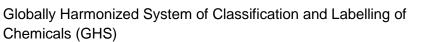


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Materials to avoid	: No data available	
10.6 Hazardous decomposition	products	
Hazardous decomposition products	: No data available	
Other information	: No data available	
11.1 Information on toxicologic Acute toxicity		
_		
_		
Acute toxicity <u>Components:</u>	: LD50 Rat: >5 000 mg/kg	
Acute toxicity <u>Components:</u> titanium dioxide :		
Acute toxicity <u>Components:</u> titanium dioxide : Acute oral toxicity	: LD50 Rat: >5 000 mg/kg	
Acute toxicity <u>Components:</u> titanium dioxide : Acute oral toxicity	: LD50 Rat: > 5 000 mg/kg : LC50 Rat: 6,8 mg/l	
Acute toxicity <u>Components:</u> titanium dioxide : Acute oral toxicity	<ul> <li>: LD50 Rat: &gt; 5 000 mg/kg</li> <li>: LC50 Rat: 6,8 mg/l Exposure time: 4 h</li> </ul>	
Acute toxicity <u>Components:</u> titanium dioxide : Acute oral toxicity Acute inhalation toxicity	<ul> <li>: LD50 Rat: &gt; 5 000 mg/kg</li> <li>: LC50 Rat: 6,8 mg/l</li> <li>Exposure time: 4 h</li> <li>Test atmosphere: dust/mist</li> </ul>	

# Serious eye damage/eye irritation

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No data available

#### Respiratory or skin sensitisation

No data available

#### Carcinogenicity

No data available

#### Toxicity to reproduction/fertility

No data available

## Reprod.Tox./Development/Teratogenicity

No data available

## STOT - single exposure

No data available

## STOT - repeated exposure

No data available

#### Aspiration toxicity

No data available

#### Further information

#### Product

No data available

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		<ul> <li>Comparison Comparison Constraints System 12 (2010) And 12 (2010)</li> </ul>

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# **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

#### 12.6 Other adverse effects

#### Product:

Additional ecological	:	No data available
information		

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# **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

## IATA

Not dangerous goods

## 14.2 Proper shipping name

## ADR

Not dangerous goods

## TDG

Not dangerous goods

## CFR

Not dangerous goods

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## IMDG

Not dangerous goods IATA 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

# CFR

Not dangerous goods

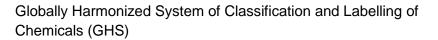
# IMDG

Not dangerous goods

# ΙΑΤΑ

Not dangerous goods

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## 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 Substances of Very High Concern for Authorisation (Article 59).	: Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	: Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	: Not applicable
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)	: Not applicable

#### 15.2 Chemical safety assessment

No data available

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# **SECTION 16: Other information**

#### **Full text of H-Statements**

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: 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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