SYNCRYSTAL Silver

Version 2.0 Revision Date 10.12.2019 Print Date 03.12.2025

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

1.1 Product identifier

Trade name	:	SYNCRYSTAL Silver
Material number	:	035490MJ0

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 hazardous substance or mixture.

GHS-Labelling

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 name : syncrystal silver

Substance No. :

Contains no hazardous ingredients according to GHSNo hazardous ingredients 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 : No hazards which require special first aid measures.
No hazards which require special first aid measures.

If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.
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.
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.
If symptoms persist, call a physician.
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

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

This information is not available.

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.
		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.
		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.
Avoid dust formation.

6.2 Environmental precautions

This information is not available.

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.
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.

For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Normal measures for preventive fire protection.

Hygiene measures : General industrial hygiene practice.

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.

Electrical installations / working materials must comply with the technological safety standards.

Advice on common storage : No materials to be especially mentioned.

No materials to be especially mentioned.

Other data : Keep in a dry place. No decomposition if stored and applied as directed.

Keep in a dry place. No decomposition if stored and applied as directed.

7.3 Specific end use(s)

This information is not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Germany:

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
Fluorphlogopite (Mg3K[AlF2	12003-38-2	AGW (Inhalable fraction)	1 mg/m3	2009-07-02	DE TRGS 900

O(SiO3)3])					
Peak-limit: excursion factor (category)		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			
Fluorphlogopite (Mg3K[AlF2O(SiO3)3])	12003-38-2	AGW (Inhalable fraction)	1 mg/m3	2009-07-02	DE TRGS 900
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Fluorphlogopite (Mg3K[AlF2O(SiO3)3])	12003-38-2	TWA	2,5 mg/m3	2000-06-16	2000/39/EC
Further information		Indicative			
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		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 fraction)	1,25 mg/m3	2014-04-02	DE TRGS 900
Peak-limit: excursion factor (category)		2;(II)			
Further information		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 (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 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).			
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tin dioxide	18282-10-5	AGW (Inhalable fraction)	2 mg/m3	2013-09-19	DE TRGS 900
Further information		European Union (The EU has established a limit value: deviations in value and peak limit are possible)The threshold value is based on the element content of the corresponding metal. A foundation for the derivation of a limit value is not available.			
tin dioxide	18282-10-5	TWA	2 mg/m3	1991-07-05	91/322/EEC
Further information		IndicativeExisting scientific data on health effects appear to be particularly limited			

Germany:

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
Fluorphlogop	12003-38-	AGW (Inhalable fraction)	1 mg/m3	2009-07-02	DE TRGS 900

ite (Mg3K[AlF2O(SiO3)3])	2				
Peak-limit: excursion factor (category)		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			
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Further information		Commission for dangerous substancesSenate commission for the			

		review of compounds at the work place dangerous for the health (MAK-commission).			
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United States of America (USA):

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
Fluorphlogopite (Mg3K[AlF2O(SiO3)3])	12003-38-2	TWA	2,5 mg/m3	2007-01-01	
Fluorphlogopite (Mg3K[AlF2O(SiO3)3])	12003-38-2	TWA	2,5 mg/m3	2007-01-01	
Fluorphlogopite	12003-38-2	TWA	2,5 mg/m3	2010-03-01	

(Mg3K[AlF2O(SiO3)3])					
Fluorphlogopite (Mg3K[AlF2O(SiO3)3])	12003-38-2	TWA	2,5 mg/m3	2010-03-01	
Fluorphlogopite (Mg3K[AlF2O(SiO3)3])	12003-38-2	TWA (Respirable fraction)	1 mg/m3	2013-03-01	
Fluorphlogopite (Mg3K[AlF2O(SiO3)3])	12003-38-2	TWA	2,5 mg/m3	1989-01-19	
Fluorphlogopite (Mg3K[AlF2O(SiO3)3])	12003-38-2	TWA	2,5 mg/m3	1989-01-19	
Fluorphlogopite (Mg3K[AlF2O(SiO3)3])	12003-38-2	PEL	2,5 mg/m3	2014-11-26	
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	

United States of America (USA):

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
Fluorphlogopite (Mg3K[AlF2O(SiO3)3])	12003-38-2	TWA	2,5 mg/m3	2007-01-01	
Fluorphlogopite (Mg3K[AlF2O(SiO3)3])	12003-38-2	TWA	2,5 mg/m3	2007-01-01	
Fluorphlogopite (Mg3K[AlF2O(SiO3)3])	12003-38-2	TWA	2,5 mg/m3	2010-03-01	
Fluorphlogopite (Mg3K[AlF2O(SiO3)3])	12003-38-2	TWA	2,5 mg/m3	2010-03-01	
Fluorphlogopite (Mg3K[AlF2O(SiO3)3])	12003-38-2	TWA (Respirable fraction)	1 mg/m3	2013-03-01	
Fluorphlogopite (Mg3K[AlF2O(SiO3)3])	12003-38-2	TWA	2,5 mg/m3	1989-01-19	
Fluorphlogopite (Mg3K[AlF2O(SiO3)3])	12003-38-2	TWA	2,5 mg/m3	1989-01-19	

Fluorphlogopite (Mg3K[AlF2O(SiO3)3])	12003-38-2	PEL	2,5 mg/m3	2014-11-26	
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	

8.2 Exposure controls

Personal protective equipment

Eye protection : Safety glasses

: Safety glasses

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	:	powder
Colour	:	No data available
Odour	:	odourless
pH	:	No data available
Freezing point	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	No data available
Bulk density	:	No data available
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	:	No data available
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

No decomposition if stored and applied as directed.
No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.
No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions	:	Stable under recommended storage conditions. Dust may form explosive mixture in air. Stable under recommended storage conditions. Dust may form explosive mixture in air.

10.4 Conditions to avoid

Conditions to avoid	:	No data available 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 information

11.1 Information on toxicological effects

Acute toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

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

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

12.6 Other adverse effects

Product:

Additional ecological information	:	No data available No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	:	In accordance with local and national regulations. In accordance with local and national regulations.
Contaminated packaging	:	Empty containers should be taken to an approved waste handling site for recycling or disposal. In accordance with local and national regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal. In accordance with local and national regulations.

SECTION 14: Transport information

14.1 UN number

14.2 Proper shipping name

14.3 Transport hazard class

14.4 Packing group

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).	:	This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

15.2 Chemical safety assessment

No data available

SECTION 16: Other 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.