

**SYMIC PCE C522**

Version 2.0

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name : SYMIC PCE C522  
Material number : 021048ML0

**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 :  
  
Telephone :  
Telefax :  
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)

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**SECTION 2: Hazards identification****GHS Classification**

Not a hazardous substance or mixture.

**GHS-Labeling**

**SYMIC PCE C522**

Version 2.0

Revision Date 06.12.2019

Print Date 06.08.2020

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 : Symic PCE C522

Substance No. :

Contains no hazardous ingredients according to GHS. 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.
- 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.  
If symptoms persist, call a physician.

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

**SYMIC PCE C522**

Version 2.0

Revision Date 06.12.2019

Print Date 06.08.2020

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.

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**

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.

**SYMIC PCE C522**

Version 2.0

Revision Date 06.12.2019

Print Date 06.08.2020

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**6.4 Reference to other sections**This information is not available.

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**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 : Normal measures for preventive fire protection.

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:**

**SYMIC PCE C522**

Version 2.0

Revision Date 06.12.2019

Print Date 06.08.2020

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
Fluorphlogopite (Mg <sub>3</sub> K[AIF <sub>2</sub> O(SiO <sub>3</sub> ) <sub>3</sub> ])	12003-38-2	AGW (Inhalable fraction)	1 mg/m <sup>3</sup>	2009-07-02	DE TRGS 900
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 (Mg <sub>3</sub> K[AIF <sub>2</sub> O(SiO <sub>3</sub> ) <sub>3</sub> ])	12003-38-2	AGW (Inhalable fraction)	1 mg/m <sup>3</sup>	2009-07-02	DE TRGS 900
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 (Mg <sub>3</sub> K[AIF <sub>2</sub> O(SiO <sub>3</sub> ) <sub>3</sub> ])	12003-38-2	TWA	2,5 mg/m <sup>3</sup>	2000-06-16	2000/39/EC
Further information		Indicative			
diiron trioxide	1309-37-1	AGW (Inhalable fraction)	10 mg/m <sup>3</sup>	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).			
diiron trioxide	1309-37-1	AGW (Alveolate fraction)	1,25 mg/m <sup>3</sup>	2014-04-02	DE TRGS 900

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

## SYMIC PCE C522

Version 2.0

Revision Date 06.12.2019

Print Date 06.08.2020

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).				
diiron trioxide	1309-37-1	AGW (Alveolate fraction)	2,6 mg/m <sup>3</sup>	2009-02-16	DE TRGS 900
Peak-limit: excursion factor (category)	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
Fluorophlogopite (Mg <sub>3</sub> K[AlF <sub>2</sub> O(SiO <sub>3</sub> ) <sub>3</sub> ])	12003-38-2	TWA	2,5 mg/m <sup>3</sup>	2007-01-01	
Fluorophlogopite (Mg <sub>3</sub> K[AlF <sub>2</sub> O(SiO <sub>3</sub> ) <sub>3</sub> ])	12003-38-2	TWA	2,5 mg/m <sup>3</sup>	2007-01-01	
Fluorophlogopite (Mg <sub>3</sub> K[AlF <sub>2</sub> O(SiO <sub>3</sub> ) <sub>3</sub> ])	12003-38-2	TWA	2,5 mg/m <sup>3</sup>	2010-03-01	
Fluorophlogopite (Mg <sub>3</sub> K[AlF <sub>2</sub> O(SiO <sub>3</sub> ) <sub>3</sub> ])	12003-38-2	TWA	2,5 mg/m <sup>3</sup>	2010-03-01	
Fluorophlogopite (Mg <sub>3</sub> K[AlF <sub>2</sub> O(SiO <sub>3</sub> ) <sub>3</sub> ])	12003-38-2	TWA (Respirable fraction)	1 mg/m <sup>3</sup>	2013-03-01	
Fluorophlogopite (Mg <sub>3</sub> K[AlF <sub>2</sub> O(SiO <sub>3</sub> ) <sub>3</sub> ])	12003-38-2	TWA	2,5 mg/m <sup>3</sup>	1989-01-19	

**SYMIC PCE C522**

Version 2.0

Revision Date 06.12.2019

Print Date 06.08.2020

O(SiO <sub>3</sub> ) <sub>3</sub> )					
Fluorphlogopite (Mg <sub>3</sub> K[AlF <sub>2</sub> O(SiO <sub>3</sub> ) <sub>3</sub> ])	12003-38-2	TWA	2,5 mg/m <sup>3</sup>	1989-01-19	
Fluorphlogopite (Mg <sub>3</sub> K[AlF <sub>2</sub> O(SiO <sub>3</sub> ) <sub>3</sub> ])	12003-38-2	PEL	2,5 mg/m <sup>3</sup>	2014-11-26	
diiron trioxide	1309-37-1	TWA (total dust)	50 Million particles per cubic foot	2012-07-01	
diiron trioxide	1309-37-1	TWA (total dust)	15 mg/m <sup>3</sup>	2012-07-01	
diiron trioxide	1309-37-1	TWA (respirable fraction)	5 mg/m <sup>3</sup>	2012-07-01	
diiron trioxide	1309-37-1	TWA (respirable fraction)	15 Million particles per cubic foot	2012-07-01	
diiron trioxide	1309-37-1	PEL (Total dust)	10 mg/m <sup>3</sup>	2014-11-26	
diiron trioxide	1309-37-1	PEL (respirable dust fraction)	5 mg/m <sup>3</sup>	2014-11-26	
diiron trioxide	1309-37-1	TWA (Respirable fraction)	5 mg/m <sup>3</sup>	2007-01-01	
diiron trioxide	1309-37-1	TWA (Fumes)	10 mg/m <sup>3</sup>	2011-07-01	
diiron trioxide	1309-37-1	TWA (total dust)	15 mg/m <sup>3</sup>	2011-07-01	
diiron trioxide	1309-37-1	TWA (respirable fraction)	5 mg/m <sup>3</sup>	2011-07-01	
diiron trioxide	1309-37-1	TWA (dust and fume)	5 mg/m <sup>3</sup>	2013-10-08	
diiron trioxide	1309-37-1	TWA (Fumes)	10 mg/m <sup>3</sup>	1989-01-19	
diiron trioxide	1309-37-1	PEL (Total dust)	10 mg/m <sup>3</sup>	2014-11-26	
diiron trioxide	1309-37-1	PEL (respirable dust fraction)	5 mg/m <sup>3</sup>	2014-11-26	
diiron trioxide	1309-37-1	PEL (Fumes)	5 mg/m <sup>3</sup>	2014-11-26	

**SYMIC PCE C522**

Version 2.0

Revision Date 06.12.2019

Print Date 06.08.2020

**8.2 Exposure controls****Personal protective equipment**

Eye protection : 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	: 3,4 g/cm <sup>3</sup> (ca. )
Water solubility	: No data available



**SYMIC PCE C522**

Version 2.0

Revision Date 06.12.2019

Print Date 06.08.2020

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.

Dust may form explosive mixture in air.

**10.4 Conditions to avoid**

Conditions to avoid : No data available

**10.5 Incompatible materials**

Materials to avoid : No data available

**SYMIC PCE C522**

Version 2.0

Revision Date 06.12.2019

Print Date 06.08.2020

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**10.6 Hazardous decomposition products**

Hazardous decomposition products : No data available

Other information : No data available

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**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**

**SYMIC PCE C522**

Version 2.0

Revision Date 06.12.2019

Print Date 06.08.2020

---

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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**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

**SYMIC PCE C522**

Version 2.0

Revision Date 06.12.2019

Print Date 06.08.2020

---

**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

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**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

Product : 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.

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**SECTION 14: Transport information****14.1 UN number****14.2 Proper shipping name****14.3 Transport hazard class****14.4 Packing group**

**SYMIC PCE C522**

Version 2.0

Revision Date 06.12.2019

Print Date 06.08.2020

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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

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**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 (EC) No 850/2004 on persistent organic pollutants : Not applicable

**15.2 Chemical safety assessment**

No data available

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**SECTION 16: Other information**

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

**SYMIC PCE C522**

Version 2.0

Revision Date 06.12.2019

Print Date 06.08.2020

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