

**MASTERSAFE SYMIC A001 L**

Version 1.0      Revision Date: 03/21/2018      SDS Number: 102000028142      Date of last issue: -  
Date of first issue: 03/21/2018

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**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : MASTERSAFE SYMIC A001 L  
Product code : 023390GD0

**Manufacturer or supplier's details**

Company name of supplier : ECKART GmbH  
Address : Guentersthal 4  
Hartenstein 91235  
Telephone : +499152770  
Telefax : +499152777008  
Emergency telephone number : CHEMTREC: 800-424-9300  
CHEMTREC: 1-703-527-3387 (International)

GBK Gefahrgut Buero GmbH, Ingelheim, Germany:  
From outside US: (001) 352-323-3500  
(First call in English, response in your language is possible)  
US & Canada (toll free):1-800-5355-053

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**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Not a hazardous substance or mixture.

**GHS label elements**

Not a hazardous substance or mixture.

**Other hazards**

None known.

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS****Hazardous components**

Chemical name	CAS-No.	Concentration (% w/w)
Fluorophlogopite (Mg <sub>3</sub> K[AlF <sub>2</sub> O(SiO <sub>3</sub> ) <sub>3</sub> ])	12003-38-2	>= 50 -< 70
Titanium oxide (TiO <sub>2</sub> )	13463-67-7	>= 10 -< 20

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**SECTION 4. 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.
- Most important symptoms and effects, both acute and delayed                                : None known.

**SECTION 5. FIREFIGHTING MEASURES**

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

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures                                : Avoid dust formation.
- Methods and materials for containment and cleaning up                                : Pick up and arrange disposal without creating dust.  
Sweep up and shovel.  
Keep in suitable, closed containers for disposal.

**SECTION 7. HANDLING AND STORAGE**

- Advice on protection against                                : Provide appropriate exhaust ventilation at places where dust

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fire and explosion is formed.

Advice on safe handling : For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.

Hygiene measures : General industrial hygiene practice.

Conditions for safe storage : Electrical installations / working materials must comply with the technological safety standards.

Materials to avoid : No materials to be especially mentioned.

Further information on storage stability : No decomposition if stored and applied as directed.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Fluorophlogopite (Mg <sub>3</sub> K[AlF <sub>2</sub> O(SiO <sub>3</sub> ) <sub>3</sub> ])	12003-38-2	LMPE-PPT	2.5 mg/m <sup>3</sup> (Fluorine)	MX OEL
		VLE-PPT	2.5 mg/m <sup>3</sup> (Fluorine)	NOM-010-STPS-2014
		VLE-PPT (Respirable fraction)	1 mg/m <sup>3</sup> (Aluminium)	NOM-010-STPS-2014
		TWA	2.5 mg/m <sup>3</sup> (Fluorine)	ACGIH
		TWA	2.5 mg/m <sup>3</sup> (Fluorine)	ACGIH
		TWA (Respirable fraction)	1 mg/m <sup>3</sup> (Aluminium)	ACGIH
Titanium oxide (TiO <sub>2</sub> )	13463-67-7	VLE-PPT	10 mg/m <sup>3</sup>	NOM-010-STPS-2014
		TWA	10 mg/m <sup>3</sup> (Titanium dioxide)	ACGIH

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**Biological occupational exposure limits**

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
Fluorophlogopite (Mg <sub>3</sub> K[AlF <sub>2</sub> O(SiO <sub>3</sub> ) <sub>3</sub> ])	12003-38-2	fluorides (Fluorine)	Urine	Prior to shift	3 mg/g Creatinine	MX BEI
		fluorides (Fluorine)	Urine	End of shift	10 mg/g Creatinine	MX BEI
		Fluoride	Urine	Prior to shift (16 hours after exposure ceases)	3 mg/g	ACGIH BEI
		Fluoride	Urine	End of shift (As soon as possible after exposure ceases)	10 mg/g	ACGIH BEI
		Fluoride (Fluorine)	Urine	Prior to shift (16 hours after exposure ceases)	2 mg/l	ACGIH BEI
		Fluoride (Fluorine)	Urine	End of shift (As soon as possible after exposure ceases)	3 mg/l	ACGIH BEI

**Personal protective equipment**

Respiratory protection : No personal respiratory protective equipment normally required.

Eye protection : Safety glasses

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : pellets

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Colour	:	No data available
Odour	:	characteristic
Odour Threshold	:	No data available
pH	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Will not burn
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	No data available
Relative density	:	No data available
Solubility(ies)	:	
Water solubility	:	insoluble
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity	:	No data available

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**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Stable under recommended storage conditions. Dust may form explosive mixture in air.
Conditions to avoid	:	No data available

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**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity**

Not classified based on available information.

**Components:****Titanium oxide (TiO<sub>2</sub>):**

Acute oral toxicity : LD50 (Rat): &gt; 5,000 mg/kg

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Acute inhalation toxicity : LC50 (Rat): 6.8 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

**Skin corrosion/irritation**

Not classified based on available information.

**Serious eye damage/eye irritation**

Not classified based on available information.

**Respiratory or skin sensitisation****Skin sensitisation**

Not classified based on available information.

**Respiratory sensitisation**

Not classified based on available information.

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Not classified based on available information.

**Reproductive toxicity**

Not classified based on available information.

**STOT - single exposure**

Not classified based on available information.

**STOT - repeated exposure**

Not classified based on available information.

**Aspiration toxicity**

Not classified based on available information.

**Further information****Components:****Fluorophlogopite (Mg<sub>3</sub>K[AlF<sub>2</sub>O(SiO<sub>3</sub>)<sub>3</sub>]):**

Remarks: No data available

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Other adverse effects**

No data available

**Components:****Fluorophlogopite (Mg<sub>3</sub>K[AlF<sub>2</sub>O(SiO<sub>3</sub>)<sub>3</sub>]):**

Additional ecological                      : No data available  
information

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues                      : 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****International Regulations**

Remarks                                      : Not classified as dangerous in the meaning of transport  
regulations.

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

Not applicable for product as supplied.

**National Regulations****Special precautions for user**

Remarks                                      : Not classified as dangerous in the meaning of transport  
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## SECTION 15. REGULATORY INFORMATION

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

Federal Law for the control of chemical precursors, : Not applicable  
essential chemical products and machinery for  
producing capsules, tablets and pills.

**The components of this product are reported in the following inventories:**

DSL : All components of this product are on the Canadian DSL  
TSCA : On TSCA Inventory

## SECTION 16. OTHER INFORMATION

**Full text of other abbreviations**

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
ACGIH BEI : ACGIH - Biological Exposure Indices (BEI)  
MX BEI : Official Mexican Norm NOM-047-SSA1-2011, Environmental  
Health - Biological exposure indices for workers  
occupationally exposed to chemical agents  
MX OEL : Mexico. Occupational Exposure Limits  
NOM-010-STPS-2014 : Mexico. Norm NOM-010-STPS-2014 on Chemicals Polluting  
the Work Environment - Identification, Assessment and  
Control - Appendix 1 Occupational Exposure Limits  
ACGIH / TWA : 8-hour, time-weighted average  
MX OEL / LMPE-PPT : Time weighted average  
NOM-010-STPS-2014 / VLE- : Time weighted average limit value  
PPT

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships;



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n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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