

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



MASTERSAFE SYMIC E001 L

Version 1.2 Revision Date: 2019/01/27 SDS Number: 102000024671 Print Date: 2019/02/04
Date of first issue: 2017/11/24

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : MASTERSAFE SYMIC E001 L
Product code : 022401GD0
Chemical nature : inorganic pigment

Manufacturer or supplier's details

Company : 爱卡特殊效果颜料（珠海）有限公司 Eckart GmbH
Address : 珠海市金湾区南水镇浪屿路 3 号 Guentersthal 4
91235 Hartenstein
Germany
Telephone : +8607567228600 +499152770
Emergency telephone number : National Emergency Response Hotline for Chemical Incident (China):0532-83889090 GBK Gefahrgut Büro GmbH, Ingelheim, Germany:
From outside US: :
国家化学事故应急咨询电话 (中国) : 0532-83889090 (001) 352-323-3500
(First call in English, response in your language is possible)
US & Canada (toll free) :
1-800-5355-053
E-mail address : Riko.Huang@altana.com msds.eckart@altana.com
Telefax : +8607567228601 +499152777008

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance : pellets
Odour : characteristic

Not a hazardous substance or mixture.

GHS Classification

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Physical and chemical hazards

Not classified based on available information.

Health hazards

Not classified based on available information.

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Environmental hazards

Not classified based on available information.

Other hazards which do not result in classification

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture
Substance name :

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Fluorophlogopite	12003-38-2	>= 50 -<= 100
Ethene, homopolymer	9002-88-4	>= 25 -< 50
Titanic anhydride	13463-67-7	>= 10 -< 20

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.

5. FIREFIGHTING MEASURES

Specific extinguishing methods : Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

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.

7. HANDLING AND STORAGE

Handling

Advice on protection against fire and explosion : Provide appropriate exhaust ventilation at places where dust is formed.

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

Storage

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Fluorophlogopite	12003-38-2	PC-TWA	2 mg/m ³ (Fluorine)	GBZ 2.1-2007
		PC-TWA	2 mg/m ³ (Fluorine)	GBZ 2.1-2007
Ethene, homopolymer	9002-88-4	PC-TWA (Total)	5 mg/m ³	GBZ 2.1-2007

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		PC-TWA (Total dust)	5 mg/m ³	GBZ 2.1-2007
Titanic anhydride	13463-67-7	PC-TWA (Total dust)	8 mg/m ³	GBZ 2.1-2007

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
Fluorophlogopite	12003-38-2	fluoride (Fluorine)	Urine	After shift	42 Millimoles per mole Creatinine	CN BEI
		fluoride (Fluorine)	Urine	After shift	7 mg/g Creatinine	CN BEI
		fluoride (Fluorine)	Urine	Prior to shift	24 Millimoles per mole Creatinine	CN BEI
		fluoride (Fluorine)	Urine	Prior to shift	4 mg/g Creatinine	CN BEI

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Eye/face protection : Safety glasses

Hygiene measures : General industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : pellets
Propellant : No data available
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

Flammability (liquids) : No data available
Burning rate : No data available
Auto-flammability : No data available
Burning number : No data available
Upper explosion limit / Upper flammability limit : No data available
Lower explosion limit / Lower

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flammability limit
Vapour pressure : No data available
Relative vapour density : No data available
Relative density : No data available
Density : No data available
Bulk 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
Self-Accelerating decomposition temperature (SADT) : No data available
Temperature of Polymerisation (SAPT) : No data available
Viscosity : No data available
Viscosity, kinematic : No data available
Flow time : No data available
Solvent separation : No data available
Explosive properties : No data available
Oxidizing properties : No data available
Self-heating substances : No data available
Heat of combustion : No data available
Impact sensitivity : No data available
Surface tension : No data available
Conductivity : No data available
Sublimation point : No data available
Molecular weight : No data available
Minimum explosible dust concentration : No data available
Dust deflagration index (Kst) : No data available
Dust explosion class : No data available
Radioactivity : No data available
Volatile organic compounds (VOC) content : No data available
Volatile organic compounds (VOC) content : No data available
Particle size : No data available
Particle Size Distribution : No data available

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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11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Components:

Titanic anhydride:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

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

Product:

Remarks: No data available

Components:

Fluorophlogopite:

Remarks: No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available

Persistence and degradability

No data available

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Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological information : No data available

Components:

Fluorophlogopite:

Additional ecological information : No data available

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.

14. TRANSPORT INFORMATION

International Regulations

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

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

IATA-DGR : Not classified as dangerous in the meaning of transport regulations.

IMDG-Code : Not classified as dangerous in the meaning of transport regulations.

Not dangerous goods in the meaning of ADR/RID, ADN, IMDG-Code, ICAO/IATA-DGR

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

Not applicable for product as supplied.

National Regulations

Remarks : Not classified as dangerous good under GB 6944/12268

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15. REGULATORY INFORMATION

National regulatory information

Law on the Prevention and Control of Occupational Diseases: **Applicable**

16. OTHER INFORMATION

Full text of other abbreviations

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; 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

Date format : yyyy/mm/dd

CN BEI : China. Biological Occupational Exposure Limits for 15 chemicals.

GBZ 2.1-2007 : Occupational exposure limits for hazardous agents in the workplace - Chemical hazardous agents.

GBZ 2.1-2007 / PC-TWA : Permissible concentration - time weighted average

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