

EDELSTEIN Topaz Orange

Version 1.0 Revision Date: 03/27/2018 SDS Number: 102000028685 Date of last issue: -
 Date of first issue: 03/27/2018

SECTION 1. IDENTIFICATION

Product name : EDELSTEIN Topaz Orange
 Product code : 023560MJ0

Manufacturer or supplier's details

Company name of supplier : ECKART GmbH
 Address : Guentersthal 4
 Hartenstein 91235
 Telephone : +499152770
 Telefax : +499152777008
 Emergency telephone : 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

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the Hazardous Products Regulations

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients

Chemical name	CAS-No.	Concentration (% w/w)
Fluorphlogopite (Mg ₃ K[AlF ₂ O(SiO ₃) ₃])	12003-38-2	>= 50 - < 70
Iron oxide (Fe ₂ O ₃)	1309-37-1	>= 30 - < 50
Tin oxide (SnO ₂)	18282-10-5	>= 5 - < 10

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fire and explosion

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

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Ingredients	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Fluorophlogopite (Mg ₃ K[AlF ₂ O(SiO ₃) ₃])	12003-38-2	TWA	2.5 mg/m ³ (Fluorine)	CA AB OEL
		TWAEV	2.5 mg/m ³ (Fluorine)	CA QC OEL
		TWA	2.5 mg/m ³ (Fluorine)	CA BC OEL
		TWA	2.5 mg/m ³ (Fluorine)	CA AB OEL
		TWAEV	2.5 mg/m ³ (Fluorine)	CA QC OEL
		TWA	2.5 mg/m ³ (Fluorine)	CA BC OEL
		TWA (Respirable)	1 mg/m ³ (Aluminum)	CA BC OEL
		TWA	2.5 mg/m ³ (Fluorine)	ACGIH
		TWA	2.5 mg/m ³ (Fluorine)	ACGIH
		TWA (Respirable fraction)	1 mg/m ³ (Aluminum)	ACGIH
Iron oxide (Fe ₂ O ₃)	1309-37-1	TWA (Respirable)	5 mg/m ³	CA AB OEL

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		TWA (Fumes)	5 mg/m ³ (Iron)	CA BC OEL
		TWA (Dust)	5 mg/m ³ (Iron)	CA BC OEL
		STEL (Fumes)	10 mg/m ³ (Iron)	CA BC OEL
		TWAEV (fume and dust)	5 mg/m ³ (Iron)	CA QC OEL
		TWA (Respirable fraction)	5 mg/m ³	ACGIH
Tin oxide (SnO ₂)	18282-10-5	TWA	2 mg/m ³ (Tin)	CA AB OEL
		TWA	2 mg/m ³ (Tin)	CA AB OEL
		TWAEV	2 mg/m ³ (Tin)	CA QC OEL
		TWA	2 mg/m ³ (Tin)	CA BC OEL
		TWA	2 mg/m ³ (Tin)	CA ON OEL
		TWA	2 mg/m ³ (Tin)	ACGIH

Biological occupational exposure limits

Ingredients	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
Fluorophlogopite (Mg ₃ K[AlF ₂ O(SiO ₃) ₃])	12003-38-2	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	2 mg/l	ACGIH BEI

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				hours after exposure ceases)		
		Fluoride (Fluorine)	Urine	End of shift (As soon as possible after exposure ceases)	3 mg/l	ACGIH BEI

Personal protective equipment

Eye protection : Safety glasses

Hygiene measures : General industrial hygiene practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : powder
 Color : No data available
 Odor : odorless
 Odor 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
 Vapor pressure : No data available
 Relative density : No data available
 Solubility(ies) : No data available
 Partition coefficient: n-octanol/water : No data available
 Autoignition temperature : No data available
 Decomposition temperature : No data available
 Viscosity : No data available

SECTION 10. STABILITY AND REACTIVITY

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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

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Not classified based on available information.

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Not classified based on available information.

Respiratory or skin sensitization**Skin sensitization**

Not classified based on available information.

Respiratory sensitization

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.

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Further information**Ingredients:****Fluorophlogopite (Mg₃K[AIF₂O(SiO₃)₃]):**

Remarks: No data available

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

Ingredients:**Fluorophlogopite (Mg₃K[AIF₂O(SiO₃)₃]):**Additional ecological : No data available
information

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.

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.

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Domestic regulation

SECTION 15. REGULATORY INFORMATION

The ingredients of this product are reported in the following inventories:

DSL : All components of this product are on the Canadian DSL

TSCA : On TSCA Inventory

Canadian lists

No substances are subject to a Significant New Activity Notification.

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)

ACGIH BEI : ACGIH - Biological Exposure Indices (BEI)

CA AB OEL : Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)

CA BC OEL : Canada. British Columbia OEL

CA ON OEL : Ontario Table of Occupational Exposure Limits made under the Occupational Health and Safety Act.

CA QC OEL : Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants

ACGIH / TWA : 8-hour, time-weighted average

CA AB OEL / TWA : 8-hour Occupational exposure limit

CA BC OEL / TWA : 8-hour time weighted average

CA BC OEL / STEL : short-term exposure limit

CA ON OEL / TWA : Time-Weighted Average Limit (TWA)

CA QC OEL / TWAEV : Time-weighted average exposure value

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 -

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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

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The information provided in this Material 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.

CA / Z8