

**LUXAN C001**

Version 1.0      Revision Date: 03/27/2018      SDS Number: 102000000645      Date of last issue: -  
Date of first issue: 03/27/2018

---

**SECTION 1. IDENTIFICATION**

Product name : LUXAN C001

Product code : 038030MLO

**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**

Combustible dust : Category 1

**GHS label elements**

Signal Word : Warning

Hazard Statements : May form combustible dust concentrations in air.

**Other hazards**

None known.

---

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

| Chemical name           | CAS-No.    | Concentration (% w/w) |
|-------------------------|------------|-----------------------|
| Glass, oxide, chemicals | 65997-17-3 | >= 90 - <= 100        |

## LUXAN C001

|         |                |              |                                 |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number:  | Date of last issue: -           |
| 1.0     | 03/27/2018     | 102000000645 | Date of first issue: 03/27/2018 |

---

|                                    |            |             |
|------------------------------------|------------|-------------|
| Titanium oxide (TiO <sub>2</sub> ) | 13463-67-7 | >= 5 - < 10 |
|------------------------------------|------------|-------------|

---

**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. FIRE-FIGHTING MEASURES**

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

Special protective equipment for fire-fighters : 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.

---

## LUXAN C001

Version 1.0      Revision Date: 03/27/2018      SDS Number: 102000000645      Date of last issue: -  
 Date of first issue: 03/27/2018

**SECTION 7. HANDLING AND STORAGE**

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- 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 : No decomposition if stored and applied as directed.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Ingredients with workplace control parameters**

| Ingredients                        | CAS-No.    | Value type (Form of exposure)  | Control parameters / Permissible concentration | Basis     |
|------------------------------------|------------|--------------------------------|--|-----------|
| Glass, oxide, chemicals            | 65997-17-3 | TWA                            | 1 fibres per cubic centimeter                  | CA AB OEL |
|                                    |            | TWAEV                          | 1 fibres per cubic metre                       | CA QC OEL |
|                                    |            | TWAEV                          | 2 fibres per cubic centimeter                  | CA QC OEL |
|                                    |            | TWA                            | 1 fibres per cubic centimeter                  | CA BC OEL |
|                                    |            | TWA                            | 1 fibres per cubic centimeter                  | CA ON OEL |
|                                    |            | TWA                            | 1 fibres per cubic centimeter                  | ACGIH     |
| Titanium oxide (TiO <sub>2</sub> ) | 13463-67-7 | TWA                            | 10 mg/m <sup>3</sup>                           | CA AB OEL |
|                                    |            | TWA (Total dust)               | 10 mg/m <sup>3</sup>                           | CA BC OEL |
|                                    |            | TWA (respirable dust fraction) | 3 mg/m <sup>3</sup>                            | CA BC OEL |

## LUXAN C001

Version 1.0      Revision Date: 03/27/2018      SDS Number: 102000000645      Date of last issue: -  
 Date of first issue: 03/27/2018

|  |  |                       |  |           |
|--|--|-----------------------|--|-----------|
|  |  | TWAEV<br>(total dust) | 10 mg/m <sup>3</sup>                       | CA QC OEL |
|  |  | TWA                   | 10 mg/m <sup>3</sup><br>(Titanium dioxide) | ACGIH     |

**Personal protective equipment**

Eye protection : Safety glasses  
 Hygiene measures : General industrial hygiene practice.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : solid  
 Color : No data available  
 Odor : characteristic  
 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) : combustible dust

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**

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.

**LUXAN C001**

|         |                |              |                                 |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number:  | Date of last issue: -           |
| 1.0     | 03/27/2018     | 102000000645 | Date of first issue: 03/27/2018 |

---

Conditions to avoid : No data available

---

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

Not classified based on available information.

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

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 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.

---

**LUXAN C001**

Version      Revision Date:      SDS Number:      Date of last issue: -  
1.0          03/27/2018          102000000645      Date of first issue: 03/27/2018

---

**Aspiration toxicity**

Not classified based on available information.

**Further information**

**Ingredients:**

**Glass, oxide, chemicals:**

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:**

**Glass, oxide, chemicals:**

Additional ecological information : No data available

---

**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.

---

## LUXAN C001

|         |                |              |                                 |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number:  | Date of last issue: -           |
| 1.0     | 03/27/2018     | 102000000645 | Date of first issue: 03/27/2018 |

---

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

Not applicable for product as supplied.

**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)

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 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 -

**LUXAN C001**

|         |                |              |                                 |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number:  | Date of last issue: -           |
| 1.0     | 03/27/2018     | 102000000645 | Date of first issue: 03/27/2018 |

---

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

Revision Date : 03/27/2018

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