SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

LUXAN C393

Version 2.0  Revision Date 19.09.2014  Print Date 19.11.2018

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
   Trade name : LUXAN C393

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 : ECKART GmbH
   Guentersthal 4
   91235 Hartenstein
   Telephone : +499152770
   Telefax : +499152777008
   E-mail address : msds.eckart@altana.com
   Responsible/issuing person

1.4 Emergency telephone number
   GBK Gefahrgut Büro 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

2.1 Classification of the substance or mixture

   Classification (REGULATION (EC) No 1272/2008)

   Not a dangerous substance according to GHS.

   Classification (67/548/EEC, 1999/45/EC)

   Not a hazardous substance or mixture.

2.2 Label elements

   Labelling (REGULATION (EC) No 1272/2008)

   Not a dangerous substance or mixture according to the Globally Harmonised System (GHS).

   Additional Labelling:
   EUH210 ; Safety data sheet available on request.
2.3 Other hazards
No information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

| Remarks | No dangerous ingredients according to Regulation (EC) No. 1907/2006 |

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
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 fire fighting 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.

#### 6.4 Reference to other sections

This information is not available.

### 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 : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

This information is not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters</th>
<th>Update</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>iron hydroxide oxide yellow</td>
<td>51274-00-1</td>
<td>TWA (Inhalable)</td>
<td>10 mg/m^3</td>
<td>2011-12-01</td>
<td>GB EH40</td>
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<td>Further information</td>
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<td>iron hydroxide oxide yellow</td>
<td>51274-00-1</td>
<td>TWA (Respirable)</td>
<td>4 mg/m^3</td>
<td>2011-12-01</td>
<td>GB EH40</td>
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<td>Further information</td>
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<td>silicon dioxide</td>
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described in MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust. The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m\(^{-3}\) 8-hour TWA of inhalable dust or 4 mg.m\(^{-3}\) 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limit. Most industrial dusts contain particles of a wide range of sizes. The behaviour, deposition and fate of any particular particle after entry into the human respiratory system and the body response that it elicits, depend on the nature and size of the particle. HSE distinguishes two size fractions for limit-setting purposes termed ‘inhalable’ and ‘respirable’. Inhalable dust approximates to the fraction of airborne material that enters the nose and mouth during breathing and is therefore available for deposition in the respiratory tract. Respirable dust approximates to the fraction that penetrates to the gas exchange region of the lung. Fuller definitions and explanatory material are given in MDHS14/3. Where dusts contain components that have their own assigned WEL, all the relevant limits should be complied with. Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used.

<table>
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<tr>
<th>silicon dioxide</th>
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<th>TWA (Respirable)</th>
<th>2.4 mg/m(^3)</th>
<th>2007-08-01</th>
<th>GB EH40</th>
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Further information

For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust. The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m\(^{-3}\) 8-hour TWA of inhalable dust or 4 mg.m\(^{-3}\) 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limit. Most industrial dusts contain particles of a wide range of sizes. The behaviour, deposition and fate of any particular particle after entry into the human respiratory system and the body response that it elicits, depend on the nature and size of the particle. HSE distinguishes two size fractions for limit-setting purposes termed ‘inhalable’ and ‘respirable’. Inhalable dust approximates to the fraction of airborne material that enters the nose and mouth during breathing and is therefore available for deposition in the respiratory tract. Respirable dust approximates to the fraction that penetrates to the gas exchange region of the lung. Fuller definitions and explanatory material are given in...
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<td>TWA (Inhalable)</td>
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### 8.2 Exposure controls

**Personal protective equipment**

- **Eye protection**: Safety glasses
- **Skin and body protection**: Protective suit

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

- **Appearance**: solid
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Colour: no data available
Odour: characteristic
pH: no data available
Freezing point: no data available
Boiling point/boiling range: 2,501 °C
Flash point: no data available
Bulk density: no data available
Flammability (solid, gas): no data available
Auto-flammability: no data available
Upper explosion limit: no data available
Lower explosion limit: no data available
Vapour pressure: no data available
Density: no data available
Water solubility: no data available
Solubility in other solvents: no data available
Partition coefficient: n-octanol/water: no data available
Auto-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.

10.4 Conditions to avoid
Conditions to avoid : no data available

10.5 Incompatible materials
Materials to avoid : no data available

10.6 Hazardous decomposition products
Hazardous decomposition products : no data available
Other information : no data available

SECTIN 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
LUXAN C393

STOT - single exposure
no data available

STOT - repeated exposure
no data available

Aspiration toxicity
no data available

Further information
Product
no data available

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

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

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

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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
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

15.2 Chemical Safety Assessment
SECTION 16: Other information

The information provided in this 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.