

SAFETY DATA SHEET LX 5100



Code 70401/70416

1. IDENTIFICATION OF THE SUBSTANCE OR THE PREPARATION AND THE FIRM

Name of product	LX 5100 codes 70401 - 70406
Type of product	Ceramic Beads.
Use of product	Ceramic jet for dry and wet application
Manufacturer/distributor	CTEC Hagelberg 15 - I.Z. 3 "De Heze" B - 2250 OLEN Ph. 32 14 86 16 13 - Fax 32 14 86 16 17 info@ctec.be - www.ctec-chemicals.com
Emergency phone number	+32 70 245 245

2. HAZARD IDENTIFICATION

This product is not considered to be hazardous and does not contain hazardous components. Traces of radioactive components with natural origin ($U + th < 0.05\%$)

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Name component(s)	Weight	CAS nr / EINECS nr / EC annex nr	Symbol(s)	R-Phrase(s)
<u>Zirconium dioxide</u>	: 60 -70%	1314-23-4 / 215-227-2 / ----- / -----		
<u>Glass, oxide, chemicals</u> ACGIH (TWA 8h)	: 28 -33% : 5 mg/m ³	65997-17-3 / 266-046-0 / ----- / -----		
<u>Aluminium oxide</u>	: < 10%	1344-28-1 / 215-691-6 / ----- / -----		

4. FIRST AID MEASURES

General	: In case of doubt or persistent symptoms, call a physician. Never give anything by mouth to an unconscious person.
First Aid Measures	
- Inhalation	: Not expected to require first aid measures
- Skin Contact	: Consult doctor if irritation develops.
- Eye Contact	: Rinse immediately thoroughly and long (at least 15 min.) with plenty of water. Remove contact lenses. Do not use a neutralization agent. Consult eye doctor.
- Ingestion	: Consult a doctor.

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5. FIRE-FIGHTING MEASURES

Extinguishing Media

- Suitable : Incombustible product.
In case of nearby fire, use of all extinguishing media allowed.
- Special Procedures : Apply water spray or fog to cool nearby equipment.
Avoid fire-fighting water to enter environment.
- Special Protective Equipment for Firefighters : Use self-contained breathing apparatus when in close proximity to fire.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

: Evacuate all personnel immediately and ventilate area.
Avoid contact with eyes. Wear recommended personal protective equipment. (see chapter 8).

Environmental Precautions

: Prevent entry of product in public water, sewers or soil.
Notify authorities if product enters sewers or public waters.

Methods for Cleaning Up

: Collect the spillage in closable, suitable disposal containers.
For the removal of the waste product, see chapter 13. Residue is to be washed down with plenty of water.

7. HANDLING AND STORAGE

Handling

: Avoid dust creation. Ventilate area. Avoid contact with eyes.
Wear recommended personal protective equipment.
(see chapter 8). Spills may cause slippery surfaces.

Storage

: Keep only in the original, safely locked container in a well-ventilated place.

8. MEASURES EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering Measures

: Ventilate area.

Industrial Hygiene

: When using, do not eat, drink or smoke.

Occupational Exposure Limits

: Zirconium compounds (CAS : 7440-67-7):

TWA 8 h : 5 mg Zr/m³

STEL 15 min : 10 mg Zr/m³

For components: see chapter 3.

Personal Protection Equipment

- Respiratory Protection

: Ventilation, Local exhaust, Dust respirator (Filter type FFP2 or FFP3).

- Hand Protection

: Gloves.

- Eye protection

: Safety glasses.

- Skin and body protection

: Suitable protective clothing.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State (20°C)	: Beads (<1.2mm)
Form/Colour	: White
Odour	: Odourless
Congeaing/melting point	: 2120 – 2820 °C
Flash point	: Not applicable.
Explosion limits in air	: Not applicable.
Solubility in water	: Insoluble.
Relative density	: 2,3

10. STABILITY AND REACTIVITY

Stability	: Stable at normal circumstances.
Conditions to avoid	: High temperatures (> 1297 °C).
Materials to avoid	: None.
Hazardous Decomposition Products	: None.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	
- Inhalation	: No irritant effects expected.
- Skin contact	: No irritant effects expected.
- Eye contact	: May be abrasive through friction.
- Ingestion	: No irritant effects expected.

12. ECOLOGICAL INFORMATION

Mobility	: Product is not soluble in water.
Persistence and degradability	: No data available.
Bioaccumulation	: No data available.
Ecotoxicity	: No data available.
Water damaging (The Netherlands)	: No data available.
Decontamination exertion (The Netherlands)	: No data available.

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13. DISPOSAL CONSIDERATIONS

- Waste from residues / Unused products : The product has to be destroyed according to national or local legislation. The product contains heavy metals at the waste phase and must be treated and removed as a dangerous waste product. If you have waste of these zirconium products, please contact CTEC.
- Removal Contaminated packaging : Packing is to be used exclusively for the packing of this product. After use, empty and close the packing very carefully.
- European list of waste products : European waste product code: 'XX XX XX'. This code is assigned on the basis of the most current applications and can not be representative for pollutions which are arisen at the effective use of the product. The producer of the waste has to evaluate its process himself and has to grant the appropriate waste coding.

14. TRANSPORT INFORMATION

- Land (Road/Railroad, ADR/RID) : Product not mentioned in list of dangerous goods for road transport.
- Sea Transport (IMDG) : Product not mentioned in list of dangerous goods for sea transport.

15. REGULATORY INFORMATION

- Remark : Product not mentioned in list of dangerous goods (Annex 1 of Directive 67/548/EC, most recent adaptation).

16. OTHER INFORMATION

- Sources of used key data : The information contained herein is based on the present state of our knowledge (Producer(s), ...)

This information is to our knowledge correct and complete on the date of issue of this safety data sheet. The information only concerns the product and does not give any guarantee for the quality and the completeness of the properties of the product, or in case of mixing or using in any other process. It remains the responsibility of the user to assure himself that the information is suitable and complete concerning the special use he makes of the product. CTEC denies all responsibility for loss or damage resulting from the use of these data.