

# SAFETY DATA SHEET LX 5200



## 1. IDENTIFICATION OF THE PRODUCT AND SUPPLIER

Name of product	LX 5200 pink - codes 70504/70520
Chemical description	Aluminium oxyde
Manufacturer/distributor	CTEC BVBA Hagelberg 15 - I.Z. "De Heze" B - 2250 OLEN Ph. 32 14 86 16 13 - Fax 32 14 86 16 17 info@ctec.be - www.ctec-chemicals.com

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### Chemical characterization (substance):

Definition according to EC directive:	Aluminium oxide (Al <sub>2</sub> O <sub>3</sub> )
CAS No.:	1344-28-1
EINECS No.:	215-691-6
REACH Reg. No:	01-2119529248-35-0065

## 3. HAZARDS IDENTIFICATION

Critical hazards to man and environment  
Classification EC 1272/2008 (CLP) Not classified as hazardous goods  
EC 67/548/EEC or 1999/45/EC: No hazards characteristics, no R- or H-phrases.

## 4. FIRST AID MEASURES

### In case of skin contact

Mechanical (dry) removal. Subsequent rinsing with water.

### In case of eye contact

Flush with plenty of water. Seek medical advice if irritation persists.

### In case of ingestion

Rinse out mouth and give water to drink. Seek medical advice.

### In case of inhalation

Move to fresh air, consult a physician if necessary.

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## 5. FIRE-FIGHTING MEASURES

### Suitable extinguishing media:

Not inflammable. Use extinguishing measures appropriate to the source of the fire.

### Extinguishing media which must not be used for safety reasons:

None know

### Special exposure hazards arising from the substance itself, combustion products, resulting gases:

None know

### Special protective equipment

Not applicable

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions:

Avoid dust formation. In case of exposure to high levels of airborne dust, wear personal protective equipment (see also item 8)

### Environmental precautions:

No special measures required.

### Methods for cleaning up:

Pick up mechanically and dispose of in accordance to regulations.

## 7. HANDLING AND STORAGE

### Handling:

**Precautions for safe handling:** Avoid dust formation

**Precautions against fire and explosion:** No danger of fire and dust explosion.

### Storage:

**Conditions of storage rooms and vessels:** No special precautionary measures

**Advice of storage of incompatible materials:** None

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure limit values:

not applicable

### Components with specific control parameters as limit values:

Observe the local bylaws in terms of fine dust (e.g.: OSHA-PEL value 15 mg/m<sup>3</sup> total dust; 5 mg/m<sup>3</sup> for respirable dust; TRGS 900 10 mg/m<sup>3</sup> respirable, 3 mg/m<sup>3</sup> alveolar)

### Exposure controls:

Occupational exposure controls:

Respiratory protection:	Avoid inhaling the dust. Fine-dust mask with category P2 filter must be used if fine dust limits are exceeded.
Hand protection:	Protective gloves are recommended.
Eye protection:	Safety glasses are recommended.
General protection & hygiene measures	Observe standard industrial hygiene practice.

Environmental exposure controls:

No special exposure controls required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance:

Form:	Grains, powder
Colour:	Red-White
Odour:	Odourless

### Safety relevant basic parameters:

Change in physical state:	Melting point approx.. 2000°C
Flash point:	Not applicable
Flammability:	Not flammable
Ignition temperature:	Not applicable
Autoflammability:	Not auto flammable
Oxidizing properties:	Not applicable
Explosive properties:	Not applicable
Explosive limits:	Not applicable
Vapour pressure:	Not applicable
Specific gravity:	(3.7 – 4,5) g/cm <sup>3</sup>
Bulk density:	(500 – 2500) kg/m <sup>3</sup>
Solubility in water:	Practically insoluble
pH value:	Not applicable
Partition coefficient n-octanol/water:	Not applicable

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## 10. STABILITY AND REACTIVITY

**Conditions to avoid:** None  
**Materials to avoid:** None  
**Hazardous decomposition products:** The material is stable, no hazardous reactions known.

## 11. TOXICOLOGICAL INFORMATION

**Toxicokinetics:** No bio accumulating potential.

**Acute effects/toxicity**

Oral:	Not applicable. Not a relevant exposure route
Dermal:	Not applicable
Inhalation:	Not applicable
Skin corrosion:	Not corrosive
Skin irritation:	Not irritating
Eye irritation:	Not irritating
Sensitisation:	Not sensitising

**Repeated dose Toxicity:**

Oral:	Not applicable. Not a relevant exposure route
Inhalation:	Not applicable
CMR effects:	There is no evidence of any CMR effects.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:**  
No harmful effects on water organisms anticipated. The substance is highly insoluble in water.

**Mobility – distribution to terrestrial compartments**  
Not applicable

**Persistence and degradability:**  
Not applicable for inorganic substances.

**Results of PBT assessment:**  
Aluminium oxide is not a PBT substance.

**Other adverse effects**  
None

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## 13. DISPOSAL CONSIDERATIONS

### Appropriate disposal:

Reuse or recycle when possible. Can be stored with domestic waste. Observe local bye-laws.

### Contaminated packaging:

Packaging has to be emptied entirely. Recycling of used packaging is recommended. Local bye-laws must be observed.

## 14. TRANSPORT INFORMATION

### Land transport:

GGVS / ADR – classification: Not classified as hazardous material.

GGVE / RID Not classified as hazardous material.

### Inland waterways:

GGVBisch / ADNR – classification: Not classified as hazardous material.

### Maritime transport:

GGVSee / IMDG – classification: Not classified as hazardous material.

### Air transport:

ICAO-TI / IATA – classification: Not classified as hazardous material.

## 15. REGULATORY INFORMATION

### Classification according to EC guidelines:

Labelling EC No 1272/2008: The product is not classified. No hazard symbol is necessary.

Labelling (67/548/EEC or 1999/45/EC) None

Hazard symbols None

### National regulations:

e.g.: (Germany) Classifications according VbF: Not subjected to VbF

Water Pollution Category: Not water polluting

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## 16. OTHER INFORMATION

**Relevant R- and H-Phrases: None**

**Studies by the Institute for Hygiene and Industrial Medicine of the University of Essen showed that fused aluminium oxide (corundum) is inert and possesses no toxic or carcinogenic properties.**

**This information covers the safety requirements of the product(s) exclusively and is based on current knowledge and experience. It does not represent a guarantee for properties of the described product(s) in terms of the legal warranty regulations.**

**The product specifications is contained in a separate product data sheet.**

**Issuer of MSDS TS EHS**

### **Annex Exposure Scenarios**

**As a result of the hazard assessment and PBT/vPvB assessment it is found that Substance Aluminium Oxide (CAS# 1344-28-1) does not meet the criteria for classification as hazardous (according to the directives 67/548/EEC and 1272/2008/EC) nor it is considered to be a PBT/vPvB. An exposure assessment and the subsequent step of risk characterisation are not required.**