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Safety Data Sheet

Insularc L21, L23

Section 1:
Chemical
Product
and Company
Identification

Product Name:

Insularc L21 | Insularc L23

Product Description:

High density, asbestos free cement board reinforced with inorganic fibers.

Product Use:

Heat resisting asbestos free cement board with excellent electrical properties; suitable for applications requiring continuous operation in temperatures up to 500°C (932°F).

Manufacturer or suppliers details:

Franklin Fibre-Lamitex Corporation

903 13th Street

Wilmington, DE 19802

Emergency Telephone: 302.652.3621

Section 2:
Hazards
Identification

Emergency Overview:

Machining of boards will create dust which may be irritating for eyes, skin and respiratory system.

The product is an article and is not subject of Directive EC 1272/2008.

Physical state: Solid

Appearance: Board / Shapes

Odor: Odorless

Symbol(s): This product is considered an "Article" according to the "Approved Criteria for Classifying Hazardous Substances NOHSC:1008(2004)" and such is exempt from classification

Section 3:
Composition/
Information
on
Ingredients

Chemical Names	CAS-No	EINECS-No	Weight %
Portland Cement	65997-15-1	266-043-4	30-50%
Silica Gel	112926-00-8	---	5-10%
Calcium Silicate	13983-17-0	237-772-5	40-60%
Silica, Crystalline ó Quartz	14808-60-7	238-878-4	< 0.1%
Fibrous Glass	65997-17-3	266-046-0	1-10%

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Section 4: First-Aid Measures

General Advice:

If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Do not rub. If symptoms persist, call a physician.

Skin contact: Wash off with soap and water. If skin irritation persists, call a Physician.

Ingestion: Not a normal route of exposure. Drink plenty of water to induce vomiting, but only if victim is fully conscious. Consult a physician.

Inhalation: Move to fresh air. Get person to drink water to clear throat and blow nose to evacuate dust and fibers. If symptoms persist, call a physician.

Notes to Physician:

Treat symptomatically.

Protection of first-aiders:

Use personal protection equipment.

Section 5: Fire Fighting Measures

Flammable Properties:

The product is not flammable.

Suitable extinguishing media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding fire.

Unsuitable extinguishing media:

None known.

Specific hazards arising from the chemical:

None known.

Protective equipment and precautions for firefighters:

Wear protective equipment and positive pressure self-contained breathing apparatus.

Section 6: Accidental Release Measures

Personal precautions:

Use personal protective equipment. Avoid dust formation.

Environmental precautions:

None known.

Methods for cleaning up:

Pick up and arrange disposal without creating airborne dust. Vacuum or wet sweep.

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Section 7: Handling and Storage

Handling:

Ensure adequate ventilation. Wear personal protective equipment. Avoid dust formation.

Storage:

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labelled containers.

Section 8: Exposure Controls / Personal Protection

Use local exhaust ventilation to control dust. Use protective gloves and protective clothing if dust will come in contact with skin. Use protective glasses if dust will come in contact with eyes. If dust exposure will exceed exposure guidelines, use an approved dust respirator.

Chemical Name	ACGIH TLV	OSHA PEL
Portland Cement	TWA: 1 mg/m ³	TWA: 15 mg/m ³ TWA: 5mg/m ³
Silica Gel	Not listed	Not listed
Calcium Silicate	Not listed	Not listed
Silica, Crystalline-Quartz	TWA: 0.05 mg/m ³ respirable fraction must be sampled	10/(%SiO ₂ +2) Respirable dust 0.1 mg/m ³ TWA (respirable dust)
Fibrous Glass	TWA: 1 fibre/cm ³	Not listed

Section 9: Physical and Chemical Properties

Physical State:

Solid

Appearance:

Board, Shapes

Color:

Grey

Odor:

Odorless

pH:

None known

Flash Point:

No data available

Flammability Limits in Air:

None known

Specific Gravity:

No data available

Density:

Thickness 10mm >: Min. 1550, 10mm <: Min.

1650

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Section 10: Stability and Reactivity

Stability: Stable
Conditions to avoid: None known
Materials to avoid: Strong acids
Hazardous decomposition products: None Known
Possibility of hazardous reactions: Hazardous polymerization does not occur

Section 11:
Toxicological
Information

Acute toxicity:

Chemical Name	LD50/oral/rat (mg/kg)
Silica, Crystalline - Quartz	500

Potential Health Effects:

Acute effects –

Eye contact: Contact with eyes may cause irritation

Skin contact: Substance may cause slight skin irritation

Ingestion: Not a normal route of exposure.

Inhalation: May cause irritation of respiratory tract.

Chronic toxicity: Avoid repeated exposure.

Carcinogenicity:

Chemical Name	ACGIH	NTP	OSHA	IARC
Portland Cement	Not listed	Not listed	Not listed	Not listed
Silica Gel	Not listed	Not listed	Not listed	Not listed
Calcium Silicate	Not listed	Not listed	Not listed	Group 3
Silica, Crystalline – Quartz	A2	Known	Present	Group 1
Fibrous Glass	Not listed	Known Carcinogen Reasonable Anticipated	Not listed	Group 3

Sensitization: None known

Mutagenic effects: None known

Reproductive effects: None known

Target Organ effects: Respiratory system. Eyes.

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Section 12: **Persistence and degradability:** None known
Ecological **Bioaccumulation:** None known
Information **Mobility in environmental media:** None known

Section 13: **Waste disposal methods:**
Disposal Dispose of in accordance with Federal, State and local regulations.
Considerations **Contaminated packing:**
Empty containers should be taken for local recycling, recovery or waste disposal.
Other Information: According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used. Dispose of packings and packing waste in accordance with guideline 94/62/EC of the council and the European Parliament of December 20, 1994 as well as the packaging regulation 2004/12/EG of February 11, 2004 and Directive 2005/20/EC from March 9, 2005.

Section 14: **Not regulated for transport.**
Transport **Marine pollutant:** This product contains a chemical which is listed as a severe
Information marine pollutant according to DOT and TDG.

Section 15: **Labeling Symbol(s):**
Regulatory This product is considered an “Article” according to the “Approved Criteria for
Information Classifying Hazardous Substances NOHSC: 1008(2004)” and such is exempt from classification.

International Inventories:

Chemical Name	EINECS	ELINCS	TSCA	DSL	NDSL
Portland Cement	X	-	X	X	-
Silica Gel	-	-	-	X	-
Calcium Silicate	X	-	-	-	-
Silica, Crystalline – Quartz	X	-	X	X	-
Fibrous Glass	X	-	X	X	-

International Inventories continued:

Chemical Name	PICCS	ENCS	CHINA	AICS	KECL
Portland Cement	-	-	X	X	X
Silica Gel	X	X	X	X	X
Calcium Silicate	X	X	X	X	X
Silica, Crystalline – Quartz	X	X	X	X	X
Fibrous Glass	X	X	X	X	X

Section 15:
Continued**USA Federal Regulation – SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product may contain a chemical or chemicals, if listed below, which are subject to the reporting requirements of the Act and Title 40n of the Code of Federal Regulations, Part 372:

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see CFR 61)

State Regulations – California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	Category
Silica, Crystalline – Quartz (CAS#: 14808-60-7)	Carcinogen

State Right-to-Know:

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Rhode Island
Portland Cement	X	X	X	X
Silica Gel	X	X	X	
Silica, Crystalline-Quartz	X	X	X	X

Section 16:
Other
Information

After Service Removal: Precautionary measures to be taken after service and upon removal: As produced, synthetic vitreous fibers (SVF) and crystalline silica (SiO₂) are typically vitreous (glassy) materials which, upon continued exposure to elevated temperatures (above 900°C) might devitrify as described in Section 3. High concentrations of fibers and other dusts may be generated when after-service products are mechanically disturbed during operations such as wrecking and removal. These dusts may contain crystalline silica, which some authorities have classified as a carcinogen. Therefore, take measures to reduce dust emissions, and wear appropriate respirator to minimize exposure and comply with local regulatory limits.

Revision date 11/1/2015

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