

THE SHAW GROUP LIMITED
MATERIAL SAFETY DATA SHEET



The Shaw Group Limited
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MATERIAL – Lantz Architectural Concrete Block

SECTION I – PRODUCT IDENTIFICATION

Product name: Lantz Architectural Concrete Block
Product use: Construction / Building material

Supplier name and address: The Shaw Group
P.O. Box 2130
1101 Hwy # 2
Lantz, Nova Scotia
B2S 3G4

Manufacturer name and address: same

Emergency Tel. # (902) 883-2201 (day time only) **Emergency Tel. #** same
Fax # (902) 883-1273 **Fax #** same
Chemical Name: N. Ap. **Molecular Weight:** N. Ap.

SECTION II – INGREDIENTS

Ingredients	CAS #	%	LC ₅₀ ppm (Inhalation)	LD ₅₀ mg/kg (Oral)
Portland Cement	65997-15-1	7 – 13%	N. Ap.	N. Ap.
Quartz	14808-60-7	79%	N. Ap.	N. Ap.

SECTION III – PHYSICAL DATA

Physical State: Solid
Odour and appearance: Manufactured concrete building product with abrasive surface
Freezing point: N. Ap.

Odour threshold: N. Ap.
Specific gravity: N. Ap.
Coefficient of water/oil distribution: N. Ap.
Vapour pressure (mmHg): N. Ap.
Boiling point: N. Ap.

pH: N. Ap.
Vapour density (air 1): N. Ap.
Evaporation rate (BuAc 1): N. Ap.
Volatility, %: N. Ap.
Solubility in water: N. Ap.
Density g/ml: N. Ap.

SECTION IV – FIRE AND EXPLOSION DATA

Conditions of flammability: N. Ap.
Means of extinction: N. Ap.
Sensitivity to mechanical impact/static discharge: N. Ap.
Flash point (Method): N. Ap.
Upper/Lower flammable limits (% by volume): N. Ap.
Auto-ignition temperature: N. Ap.
Hazardous combustion products: N. Ap.

N. Av. Not Available
N. Ap. Not Applicable

SECTION V – REACTIVITY DATA

Stability:	N. Ap.
Incompatible materials:	N. Ap.
Conditions of reactivity:	N. Ap.
Hazardous decomposition products:	N. Ap.

SECTION VI – TOXICOLOGICAL PROPERTIES

LD ₅₀ of material:	N. Ap.
LC ₅₀ of material:	N. Ap.
Exposure limit:	.025mg/m ³ - resp. dust – silica 1mg/m ³ - Portland Cement (The value for total dust containing no asbestos and less than 1% crystalline silica)
Route of Entry:	Inhalation
Effects of Chronic Exposure to Product:	Crystalline silica is a known cause of silicosis, a progressive lung disease and is a group 1 carcinogen.
Irritancy of Product:	Scratches from abrasive edges/surfaces
Acute effects:	N. Ap.
Other effects:	N. Ap.
Sensitization to product:	N. Ap.
Synergistic product:	N. Ap.
Other effects:	N. Ap.

SECTION VII – PREVENTATIVE MEASURES

Personal Protective Equipment:	Approved protective clothing to protect against skin abrasions and dust inhalation.
Gloves (Specify):	To prevent scratches, cuts.
Respiratory (Specify):	Respiratory protection is required if cutting, crushing, or grinding of product is present. A properly fitted and approved NIOSH respirator as per standard Z94.4 is needed if silica dust exceeds the TLV.
Eye (Specify):	Approved protective goggles for dust/chips.
Footwear (Specify):	Approved protective industrial footwear.
Clothing (Specify):	N. Ap.
Other (Specify):	N. Ap.
Engineering Controls (e.g. ventilation, Enclosed process, specify):	Recommended local exhaust ventilation when dry sawing.
Leak and Spill Procedure:	N. Ap.
Waste Disposal:	In accordance with local landfill requirements.
Handling Procedures and Equipment:	Avoid dry sawing. Wear approved respirator if dust produced during sawing.
Storage Requirements:	N. Ap.
Special Shipping Information:	This product is not regulated under TDG.

SECTION VIII – FIRST AID MEASURES

Skin:	First aid for skin abrasions.
Eye:	Do not attempt to remove embedded objects in eye. Seek health care.
Inhalation:	If difficulty breathing, remove to fresh air. Seek appropriate health care if symptoms persist.

Ingestion:	N. Ap.
General Advice:	N. Ap.

SECTION IX – PREPARATION DATE OF M.S.D.S.

Additional Information/Comments: Avoid dry sawing to avoid dust production. Wet down cut / saw.

Prepared by: Brady Hawley, *P.Eng.* Operations Manager (Brick Division) **Phone:** (902) 883-2201 **Date:** June 1993
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Rev.: Mar 2012
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