

THE SHAW GROUP LIMITED  
MATERIAL SAFETY DATA SHEET



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MATERIAL – Lantz Concrete Products

SECTION I – PRODUCT IDENTIFICATION

**Product name:** Lantz Standard Concrete Products  
**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 <sub>50</sub> ppm (Inhalation)	LD <sub>50</sub> 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      **Freezing point:** N. Ap.  
**Odour and appearance:** Manufactured concrete building product with abrasive surface      **pH:** N. Ap.  
**Odour threshold:** N. Ap.      **Vapour density (air 1):** N. Ap.  
**Specific gravity:** N. Ap.      **Evaporation rate (BuAc 1):** N. Ap.  
**Coefficient of water/oil distribution:** N. Ap.      **Volatility, %:** N. Ap.  
**Vapour pressure (mmHg):** N. Ap.      **Solubility in water:** N. Ap.  
**Boiling point:** 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

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## SECTION V – REACTIVITY DATA

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

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## SECTION VI – TOXICOLOGICAL PROPERTIES

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LD <sub>50</sub> of material:	N. Ap.
LC <sub>50</sub> of material:	N. Ap.
Exposure limit:	.025mg/m <sup>3</sup> - resp. dust – silica 1mg/m <sup>3</sup> - 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. Scratches from abrasive edges/surfaces
Irritancy of Product:	N. Ap.
Acute effects:	N. Ap.
Other effects:	N. Ap.
Sensitization to product:	N. Ap.
Synergistic product:	N. Ap.
Other effects:	N. Ap.

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## SECTION VII – PREVENTATIVE MEASURES

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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.

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## SECTION VIII – FIRST AID MEASURES

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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.

General Advice:

N. Ap.

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

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

**Prepared by:** Brady Hawley, *P.Eng.* Operations/Sales Manager (Brick Division) **Phone:** (902) 883-2201 **Date:** Jun. 1993  
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**Rev.:** May 2015

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