

## MATERIAL SAFETY DATA SHEET

Current Issue Date: March 2006

### **SECTION I – MATERIAL IDENTIFICATION AND USE**

**Trade Name:** DURISOL

**Manufacturer's Name:** Durisol Building Systems Inc.

**Address:** 57 Arthur Street  
Mitchell, Ontario, Canada  
N0K 1N0

**Material Name:** Wood Concrete

**Material Use:** Construction materials

**Chemical Name:** Not applicable

**Chemical Family:** Light weight precast Portland cement product

**Chemical Formula:** Cement bonded wood particle material

### **SECTION II – HAZARDOUS INGREDIENTS OF MATERIAL**

Durisol is a mixture of inert wood aggregate, Portland cement, water and cement additives.

#### **Hazardous Ingredients**

Portland cement (CAS 65997-15-1) 20 – 30 % by volume

### **SECTION III – PHYSICAL DATA FOR MATERIAL**

**Physical State:** Solid

**Appearance:** Grey porous surface

**Odour Threshold:** None

**Specific Gravity:** 0.5 – 0.8

**Vapour Pressure:** Not applicable

**Evaporation Rate:** Not applicable

**Boiling Point:** Not applicable

**Freezing Point:** 0 Degrees Celsius

### **SECTION IV – FIRE AND EXPLOSION HAZARD OF MATERIAL**

Non-combustible

## SECTION V – REACTIVITY DATA

Not applicable

## SECTION VI – TOXICOLOGICAL PROPERTIES OF MATERIAL

Sawing or other demolition techniques may result in exposure to dust and larger particles containing ingredients of Portland cement which, when in contact with water, produce calcium hydroxide with an alkalinity level of pH 12 to pH 13. This level of alkalinity can cause skin and eye irritation.

### Effects of Chronic Exposure:

Cement dust can cause inflammation of the tissue lining, the interior of the nose and the cornea (white) of the eye. Hyper-sensitive people may develop allergic dermatitis.

Portland cement is not known to constitute a carcinogenic, reproductive, teratogenic, or mutagenic hazards.

## SECTION VII – PREVENTATIVE MEASURES

<b>Personal Equipment:</b>	When sawing or using other demolition methods, wear safety glasses and a dust mask.
<b>Engineering Controls:</b>	Provide ventilation when sawing or using other demolition techniques to maintain low dust concentrations.
<b>Waste Disposal:</b>	At approved landfill or waste disposal sites in accordance with local regulations.
<b>Handling Procedures &amp; Equipment:</b>	As above
<b>Storage Requirements:</b>	Not applicable
<b>Shipping Information:</b>	Not applicable

## SECTION VIII – FIRST AID MEASURES

Wash exposed areas of the skin with soap and water; Irrigate eyes with water

## SECTION IX – PREPARATION DATE OF MSDS

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Preparation Date: October 1995

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