

Did You Know? An Important Summary For Fusing Safety

Sources: Bullseye Glass Co. Kiln Safety PDF; Warm Glass Health and Safety. Please refer to our web site for the full documents at <http://www.hollanderglass.ca/fusing.html>. Hollander Glass Canada Inc. makes no representations as to safety issues.

General Precautions:

- Wear closed toe shoes, tie back long hair, and wear tighter fitting clothing - cotton or other natural fibre is best, and long sleeves can protect your arms.
- Wear gloves and respirators when needed.
- For small cuts, wash hands well and cover with a bandage (triple ointment such as Neosporin can speed the healing process).

Glass Cutting and Grinding:

- Glass dust from grinding poses a great risk - silicosis (a lung disorder) may result. Keep glass and grinder heads wet and lubricated.
- Wear safety glasses at all times.

Ventilation:

- Good air movement is a must to clear fumes or particles from grinding to drying kiln wash to working with enamels and silica.

Ceramic Fibre Products (fibre paper, fibre blanket, fibre board):

- Wear a respirator whenever dealing with loose fibres or silica dust (a NIOSH approved air purifying).
- For plaster/silica molds, use a vacuum cleaner rated for removal of asbestos or other potential carcinogens.
- Even if you only use fibre paper occasionally, it is a good idea to use sweeping compound to help clean your work area - it is sprinkled around an area with loose fibres then just swept and discarded.

Kiln Safety:

- Kiln should be on concrete (not a wooden floor), and should be kept 3ft from anything that can catch fire (papers and flammable liquids even further).
- Kiln should also be on a stand keeping it directly off the floor so air can circulate beneath it.
- Keep an ABC fire extinguisher nearby and know how to use it.
- Make sure, if a special electrical hookup needs to be made, to have a qualified electrician do the job. Have a separate circuit for it and know the location and breaker to cut the power in an emergency.
- Wear gloves to open the kiln - it gets too hot to touch on the outside and on the handle as well.
- If combing or topping off glass molds (reaching in the kiln while it is operational), turn off the kiln to prevent an electrical burn or shock.**
- Wear safety glasses to protect your eyes from bursting glass bubbles or gusts of hot air. Safety glasses that protect eyes from infrared, which is emitted from hot glass is also recommended as prolonged exposure to these wavelengths will cause cataracts (welder's glasses are least expensive - #3 or sometimes called Colobar). Also, as stated by the Bullseye Glass Co. safety information, glasses with shade 1.7 to 2 are sufficient - *note that Didymium Glasses are NOT safe for kilnworking as they do not block infrared rays (they are designed for lampworking)*.

**After contacting Evenheat, they stated that Evenheat (and most other manufacturers offer a power interrupt switch that activates when the chamber is opened. The switch removes power from the heating elements until the chamber is closed again. Consult your owner's manual for your kiln for full details. Please also note that if the temperature of your kiln drops down to the temperature of a previous segment, the kiln will resume at the previous segment. So if you plan to open your kiln, you must act fast for best results.

Essential Safety Equipment

(recommended by Warm Glass in their Health and Safety Document):

- A fire extinguisher* (ABC for all types of fires)
- Simple first aid items*
- Two kinds of safety glasses (clear safety glasses for grinding, and cold working, and shaded {2.0 or better} for looking in the kiln {not didymium})
- Two kinds of gloves (one for withstanding heat and latex for handling chemicals*). Note that for working inside the kiln, a heavy duty welder's glove is required.
- A respirator or mask* (depending on the kind of work you do in your workshop)

*Items can be easily found at your local hardware store.

	Product Code	Description
	FUS 49692	Glasses for kilnworking (shade 3.0)
	C-TL EK-00154	Heat resistant gloves (to 400°F)
	TL 10	Clear safety glasses

MORE NEW FUSING PRODUCTS

Special Offer For January!

Assorted RSVPs SP RSVP-96/50

Spectrum's "RSVP" concept is to offer factory-packed mixed cases of trendy System 96® specialty glass – making it quick, easy and *inexpensive* to stock this much of the selection. Keep the savings, pass it on or split the difference – either way, it's a great buy on Spectrum's bestsellers. The cases are filled with random sized "studio sheets", 24" long x 6-24" wide.



WOW!

For this month only, and while supplies last, we are splitting cases to include approximately 50 sqft, so you can get more variety of fusing glass for less. The quantity is limited, and we reserve the right to limit the quantities purchased.

CMC Gum Powder For Mixing With Glass Powder FUS 48261

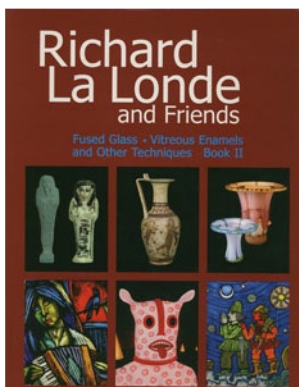


This 1 lb bag of CMC Gum Powder is used mainly in Fritography applications. Once mixed with water, the CMC can then be combined with frit powders and used to create multiple effects. The CMC is used to create volume for the powder, allowing for it to stand on its own and maintain its shape.

Great for drawing, writing, and creating dams for frit. Can be extruded through cake decorating tips for added effects.

Step-by-Step Instructions (as per Richard La Londe's Fused Glass Art and Technique and information provided in Michael Dupille's class):

- 1) Stir gum powder with water and allow to set. Mix in glass powder frit of your choice. If mixed in a clean container, the CMC will keep for several months, therefore mix your CMC Gum Powder with water as directed, then mix a small portion of it with the amount of glass powder that you will need in a separate container. It will also keep for several months once mixed with the glass powder - use squeezable applicator bottles to easily save and reuse.
- 2) Place mixture in pastry bag or in a small squeezable applicator bottle. Extrude onto a non-stick surface and allow to dry. Fuse accents.
- 3) Arrange fired accents on pre-fired project and tack fuse to bond together.



Richard La Londe and Friends: Fused Glass • Vitreous Enamels and Other Techniques • Book II BK 1571

240 pages, 630 photographs, 605 in full colour hardback, 8 1/2" x 11" gold foil stamped cloth cover with dust jacket, printed on heavyweight matte art paper.

This book includes:

- 127 pages about enamels, lusters, and glass painting.
- A section about natural glass and Egyptian faience.
- The technical aspects about glass fusing.
- Step by step – a public commission by La Londe.
- How to make 10 different easy slumping molds.
- Many "how-to" illustrations and much, much, more!

A Must Have!

MORE NEW PRODUCTS

New D-Lead Soap



D-Lead® Hand Soap provides safe and complete removal of lead and other heavy metals in a fast acting, grease cutting formula ... but without any silica abrasives. No harsh solvents or chemicals to irritate the skin and no EDTA to interfere with wastewater. A fast-acting hand cleaner which provides thorough, effective cleaning and decontamination.

Please note that this new D-Lead Soap will replace the existing Clean-All Soap (see below).

- CH 6990 8 oz bottle
- CH 6992 1 gallon jug
- CH 6993 pump for 1 gallon jug

New Economical Glass Cutters Available



GC HGC20P



GC HGC20M

Replacement Cutter Heads GC HGC20H

We have 2 new economical glass cutters available, plus their replacement head. GC HGC20M is a cutter with a metal handle; cutter GC HGC20P has a durable plastic handle. Order GC HGC20H for the replacement head.