

PERSONAL SAFETY

I. Clothing

- A. Wear natural fiber clothing
- B. Wear closed toe shoes; have a pair of “studio shoes”
- C. Use a lab coat, cotton or leather apron, Kevlar sleeves for additional protection
- D. Long hair should be tied back

II. Hygiene

- A. Wash hands before eating and after leaving the studio
- B. Damp clean to prevent movement of frit dust
- C. Have first aid kit on hand in studio

III. Habits

- A. Lay the hot end of glass and tools away from you
- B. Keep glass organized
- C. Keep bench top organized
- D. Use a metal can for hot glass
- E. Do not put paper or other products into the metal can for hot glass
- F. Drink lots of water to prevent dehydration
- G. Stretch and/or move around periodically

IV. Special Conditions (chronic illness, pregnancy, etc.)

- *Discuss risks with your doctor

REFERENCES

Dunham, Bandhu Scott. Contemporary Lampworking: A Practical Guide to Shaping Glass in the Flame. 3rd Edition. Prescott, AZ: Salusa Glassworks, Inc.

Safety in the Kiln Glass Studio: http://www.bullseyeglass.com/pdf/other_tech/kiln_glass_safety.pdf

ADDITIONAL RESOURCES

Babbitt, Jeff. “Glass Shop & Related Safety Tips: Quick Reference Guide.” Fusion, v. 46, no. 1, Feb. 1999, pp. 30-31. Note: Note: Journal of the American Scientific Glassblowers Society.

Burke, Nancy E. “Cool Tools.” Common Ground: Glass, (Autumn 2007), p. 10, ill. Note: Newsletter of the International Guild of Glass Artists Inc. Includes earmuffs, safety goggles, and a gas duster.

Burke, Nancy E. “Protection Tips for Your Fingertips!” Glass Craftsman, no. 198, Oct. /Nov. 2006, pp. 27-28, ill. Note: Includes finger gloves, safety glasses, and water drip.

Butler, Robert, Jr. “Avoiding Repetitive Stress Injuries.” Glass Line, v. 12, no. 2, Aug./Sept. 1998, p. 7+. Note: Tips on body mechanics for glassworkers.

Chouinard, Joanne. “Keeping an Eye on Ergonomics.” Glass Craftsman, no. 164, Feb./March 2001, pp. 22-25+, ill. Note: Health and safety issues.

Chouinard, Joanne. "Personal Protective Equipment and the Studio Environment." Glass Craftsman, no. 161, Aug./Sept. 2000, pp. 26-29+. Note: Advice on safety.

Craig, Terry. "Ergonomics: Make More, Hurt Less." The Glass Art Society Journal, 2003, pp. 130-131, ill. Note: Stretches, studio adjustments, and other tips for glassworkers.

Dunham, Bandhu Scott. Contemporary Lampworking: A Practical Guide to Shaping Glass in the Flame. 3rd ed. Prescott, AZ: Salusa Glassworks, 2002. Includes artistic and technical information and a good resource list. "Setting up a lampwork studio," pp. 57-80; "Teaching studio recommendations," pp. 465-468; "Health and safety for lampworkers," p. 229-244; "Chemical hazards," p. 481-486. <http://www.salusaglassworks.com/book.html>

Engst, Adam. "Ergonomics and the Beadmaker." The Bead Release, v. 3, no. 3, July 1996, pp. 8-10. Note: Carpal tunnel syndrome, etc.

Fallon, Fleming. "Health & Safety: Hand and Foot Protection in Your Studio." Stained Glass News, issue 87 (Nov. 2009) p. 9, ill. Note: Also includes suggestions for keeping the workspace clean.

Henley, Vince. "Studio Safety: Philosophy of Safety." The Glass Bead, v. 16, issue 2 (Spring 2009), pp. 32-33, ill. Note: "Underlying philosophy that can help keep glass beadmakers safe."

Henley, Vince. "Studio Safety: Lampworking & Pregnancy." The Glass Bead, v. 17, issue 4 (Autumn 2010), pp. 28-29. Note: International Society of Glass Beadmakers. PER

Henley, Vince. "Studio Safety: Safety Advocacy." The Glass Bead, v. 19, issue 1 (Winter 2012), p. 19. Note: The importance of studio safety, and summary of the author's series of 16 articles on this topic.

Heynis, Molly. "A Beginner's Glass Beadmaking Toolbox -- Part 1." Beadmaker, no. 181, Dec. 2003/Jan. 2004, pp. 4-5, ill. Note: Supplement to Glass Craftsman, no. 181, Dec. 2003/Jan. 2004. Includes tips on safety, clothing, torch choices, and instruction.

Kervin, James. More than you ever wanted to know about glass beadmaking. 5th printing, rev. ed. Livermore, CA: GlassWear Studios, 2003. 294 pp. Note: "Safety" pp. 237-254; also includes studio setup: "Torches and gas systems, pp. 11-38; lampworking tools, pp.39-50; kilns and glory holes, pp. 51-66.

Mominee, Terry. "Tool Tips by Terry: Being Prepared...and Proactive." Stained Glass, v. 105, no. 2 (Summer 2010), p. 96, ill. Quarterly of the Stained Glass Association of America. Inspection and maintenance of personal protective gear, power tools, hand tools, shop tables, materials storage, and safety equipment.

Rossol, Monona. The artist's complete health and safety guide. 3rd ed. New York : Allworth Press : Graphic Artists Guild, 2001. x, 405 p. Includes bibliographical references (p. 389-390) and index. Glass, stained glass, enameling and other glass surface treatments: p. 261-280.

Spencer, Jeffrey E. "Preventing Stiffness and Pain in the Lampworker." The Flow, v. 1, no. 2, Spring 2003, pp. 34-36, ill. Note: Reprinted from Contemporary Lampworking: A Practical Guide to Shaping Glass in the Flame by Bandhu Dunham..

Spielholz, Peregrin. "Identifying and Controlling Ergonomic Risks in Glassblowing." The Glass Art Society Journal, 1993, pp. 112-119.

Websites:

Safety in the Kiln Glass Studio:

http://www.bullseyeglass.com/pdf/other_tech/kiln_glass_safety.pdf

The National Institute for Occupational Safety and Health (NIOSH), Center for Disease Control and Protection (CDC): <http://www.cdc.gov/niosh/>

As part of the CDC, NIOSH is responsible for conducting research and making recommendations for the prevention of work-related illnesses and injuries.

NIOSH publications list: http://www.cdc.gov/niosh/pubs/all_date_desc_nopubnumbers.html