

Location: \_\_\_\_\_ Instructor: \_\_\_\_\_ Date/Time: \_\_\_\_\_

## TOPIC C567: PLUMBING GLUES

**Introduction:** Different types of pipe such as ABS, PVC or CPVC require specific glues that can be hazardous. Here are safety guidelines for working with plumbing glues:

**Hazardous properties:** Plumbing glues can be toxic/highly flammable. They are liquids that will evaporate quickly/release large amounts of hazardous fumes. Plumbing glues have a very low flashpoint; therefore, will ignite easily at low temperatures. A spark can ignite plumbing glue in even in an open-air setting where the dissipation rate of fumes is greater than enclosed space

**Application hazards:** Pipe cleaning and priming solutions are also toxic and highly flammable. Any of these solutions when applied onto parts in hot or warm weather will additionally release fumes. Using plumbing glues, cleaning, or priming solutions indoors will cause excessive amounts of fumes to build up.

- Operational Safety: First- read the SDS (safety data sheet) and the GHS (globally harmonized system) compliant label. These will provide you with all the hazards and precautions as well as how to protect yourself and others; users of these chemicals require training in safe use; caution when using, handling or dispensing plumbing glues
- PPE (personal protective equipment) information is also on SDS. Typically-safety glasses, goggles/full-face shield, safety gloves, safety shoes that don't absorb spillage, long pants/long shirt, and a respirator when you're exposed to vapors and fumes.
- Ventilation is required when working with plumbing glues, cleaning solutions and primers indoors or enclosed space applications. Explosion proof/local exhaust systems may be needed to reduce exposure
- Use non-sparking tools when working with glues/chemicals
- Avoid getting chemicals on your skin, inhaling it or splashing it into your eyes. Don't eat, drink or smoke after handling plumbing chemicals. Wash thoroughly after handling plumbing glues.
- Containers of these chemicals must be properly labeled (GHS). When these chemicals are used in other than their original containers, GHS compliant labels are required. Use portable containers approved for flammable liquids; keep containers tightly closed when not in use. Empty containers can contain residual flammable liquid or vapors. Handle empty containers with care. Keep them away from hot work or other sources of ignition; plumbing glues must be stored in a cool dry place. Don't store glues in direct sunlight or near heat sources; make sure containers of plumbing glue and related chemicals are stored away from incompatible chemicals including caustic soda, organic acids and oxidizing agents. Avoid storing in places where freezing is possible; storage facilities where large volumes of plumbing glues are dispensed and handled may require the continued use of respiratory protection if adequate ventilation of the facility is not available
- Ensure when a chemical spill occurs, respiratory protection is readily available
- Emergency eyewash stations are required. Hold eyes open while flushing with water until eyes have been completely flushed out. When irritation of eyes persists, seek medical attention
- An emergency shower station is required where large quantities of plumbing glues/related chemicals are stored, handled and dispensed. Remove contaminated clothing immediately, and put in an approved metal container that can be sealed until they can be cleaned/disposed of.

**Employee Attendance:**(Names or signatures of personnel who are attending this meeting)

---

---

---

---

---

These guidelines do not supersede local, state or federal regulations, and must not be construed as a substitute for, or legal interpretation of, any OSHA regulations.