



Safety: Base Baths



- **Base Baths:** Highly concentrated alcoholic hydroxide solutions (ethanol/isopropanol and sodium/potassium hydroxide)
- **Hazards:** Flammable, Corrosive
 - Harmful if inhaled, ingested, or absorbed through the skin.
 - Inhalation :cause irritation to the respiratory tract with burning pain in the nose and throat, coughing, wheezing, shortness of breath and pulmonary edema. Inhalation of solvent vapors may cause chronic toxic effects in the liver or kidney. Contact with skin causes burns and irritation. Prolonged or repeated skin exposure may cause skin defatting or dermatitis. Eye contact causes burns, irritation, and may cause blindness. Ingestion may cause permanent damage to the digestive tract. Flash fires may occur in the presence of ignition sources.
 - Avoid broken glassware, prolonged exposure damages glassware (frit). Rinse glassware (no metals). Replace base bath regularly.
- **Safe Handling :**
 - Chemical Spill kit.Use inside fume hood. Do not make excess amounts.
 - PPE : Gloves (Nitrile gloves layered underneath butyl rubber gauntlet-style gloves), Mask, Goggles/Face shield, Lab coat (Flame resistant), Full length pants, close-toed shoes.
 - Wash thoroughly and immediately after handling. Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
- **Emergency Procedures:**
 - **Skin Contact:** Rinse affected skin with large amounts of water after removing contaminated clothing. • **Eye Contact:** Rinse the affected eye(s) thoroughly using the eye wash, and lift eyelids and roll eyeballs occasionally. • **Inhalation:** Move into fresh air as soon as possible. • **Ingestion:** Rinse the mouth with water. Always seek medical help after first aid is performed.
 - **Spills:** Remove all sources of ignition. Soak up with inert absorbent material. Take precautionary measures against static discharges. Clean spills immediately. Then neutralize the spill by covering it with neutralizer (e.g. solid citric acid, tartaric acid, and sodium bisulfate, etc.), and sweep up the neutralized material with a broom. If there is a large spill of the base bath liquid, evacuate the area immediately and alert others nearby. Close the door and call 911 immediately.