

CONTAINER VENTING CAPS

Container over-pressurization incidents continue to occur in University laboratories. Examples include:

In 2004, a plastic bottle containing Piranha etch waste (sulfuric acid and hydrogen peroxide) burst in an Engineering fume hood at SFU. The cause was generation of oxygen gas that over-pressurized the capped container. Result: Chemicals were dispersed throughout lab. Luckily, nobody was in the lab during the "explosion."

In 2012 at UVic, a researcher was working with a nitric acid bath to clean equipment and disposed of 500mL of

