

Chemical safety fact sheet: Perchloric acid

Perchloric acid (HI) a colourless, odoudes iquid, and is a strong mineral acid with similar properties to other mineral acids: it is highly corrosive and causes severe burns on contact with tis Under some circumstanceschloric acid may act as an oxidizer and/or present explosion hazards.

Hazards

Perchloric acid is extremely coraosive powerful oxidization concentrated 2%) Improper

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Emergency procedures

Ensure you know the locationates the mergency eyewash, safety shower and chemical spill kit. Inform your supervisor and complete an incident report after any incident.

First aid response

Skin contacRemove contaminated clothing, rinse affected area with water for 15 min. Seek medical attention by calling 911 and Campus Secur78/245008

Eye contaclimmediately flush eyes with water for 15 min. Seektentitical at Inhalation! Moveperson to fresh air. Seek medical attention.

Spill response

Any spill can be hazardous if allowed tatdend to spills promptly.

Do not use organic materials, such as paper towels, rags otoKimipæipæps a spīlhese materials can dry out and spontaneously ignite.

Alert others and clear the immediate area where the spill occurred.

Only attempt clean up if you have been trained, are equipped and feel comfortable to do so. Retrieve the laboratory spill kit and apoliticional PPE as nessasy

Neutralizewith SpiK-A, scoop up the neutralized waste into a heavyi) (thingstic bag and thoroughly wet the material with water.

Use paper towel to awet wip up the remaining neutralized residue

All materials userdneutralization and spill cleams should be placed into the plastic bag, the contents thoroughly wetted, the bag sealed and label and ralize operchloric acid spill cleanup.

Submit aequest for wastekup through the online system

For pills that require assistaevacuatell personnel from the laboratory, post a warning on the laboratory restrict accass call Campus Security a7828500.

Reference

National Research Council (U.S.). (2011). **Pradtict**s in the laboratory: Handling and management of chemical hazar Meashington, D.C: National Academies Press.

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