UNIVERSITY OF VICTORIA
Occupational Health, Safety and Environment

Chemical Safety – Special Hazards

Safe Work Procedure (SWP – 009)

Piranha Solution

Last revised: 18 May 2022

REVISION HISTORY

	Revision Date	*Author*	*Position*
1.	18 May 2022	Paraskevi Lagaditis	OHSE Consultant

DOCUMENT APPROVAL

Approved by: Laboratory Safety Committee

Jody Spence	May 18, 2022
Chair, Laboratory Safety Committee	*Date Approved*

**This revision replaces all previous versions of this document. If a copy is printed, it is the users' responsibility to verify the copy is the most current version of the document.*

MATERIALS

Acid waste container equipped with a venting cap (such as Circumi

7. Lab SWP

In additional to this general SWP, each lab that is using Piranha solution requires a Lab SWP that includes specific procedures for:

a. Volume of Piranha solution to be prepared
b. Secondary spill containment using trays of glass
c. How to decontaminate any surfaces or reusable lab ware
d. The clear delineation of fumehood work space with a sign stating “Piranha solution (sulfuric acid & hydrogen peroxide), No organic material”
e. Spill containment and response

REFERENCES

1. WorkSafeBC *OHS Regulations Part 30.20 Explosive and highly reactive materials.* Retrieved from https://www.worksafebc.com/en/law-policy/occupational-health-safety/searchable-ohs-regulation/ohs-regulation/part-30-laboratories
2. University of Toronto *Procedure on handling and using Piranha solution.* January 2017
3. Concordia University *Piranha solution safety guidelines.* n.d.
4. University of California, Los Angeles *Standard operating procedure: Piranha solution (Piranha etch).* September 2012.