
JOB HAZARD ANALYSIS

JOB: Acid Washing/Methanol Rinsing (AWMR)

DATE: 6/30/99

MODIFIED: 4/25/2002 by Sarah Jablonski

PREPARED BY: Becca Urbach

REVIEWED BY: Ellen L. Mecray

Recommended Protective Clothing and Equipment:
Safety Goggles, Protective clothing (gloves, lab coat), First-Aid Kit, acid spill/neutralization kits

Sequence of Basic Job Steps	Potential Accidents/Hazards	Recommended Safe Job Procedures
Pour 5% Nitric acid (HNO₃) into designated container	acid spill/ splashing	Pour acid into container in a fumehood. Wear appropriate PPE (gloves, lab coat, glasses)
Pour methanol into designated container	spill/ splashing	Pour methanol into container in a fumehood. Wear appropriate PPE (gloves, lab coat, glasses)
Pour distilled water into two (2) designated containers	-	-
Line up containers as follows: acid, distilled water, distilled water, methanol	spill/ splashing of acid or methanol	Wear appropriate PPE (gloves, lab coat, glasses)
Rinse item being acid washed with tap water to remove particles	-	Wear gloves
Run item being washed through the baths (cover all sides with each liquid)	spill/ splashing of acid or methanol	Wear appropriate PPE (gloves, lab coat, glasses)
Remove item from last bath (methanol) and move item into laminar flow hood to dry	dripping methanol from items being moved to hood	Allow item to drip over methanol bath until fairly dry. Wear lab coat, glasses, and gloves
Cover acid and methanol containers with bin lids	Acid and/ or methanol bins could tip and spill, some acid/methanol could be on lids	Wear lab coat, glasses, and gloves

U.S. Geological Survey
384 Woods Hole Rd.
Woods Hole, MA 02543