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| Owner C.H.O | DOC. NO. Risk Assessment | REV. 1 | DATE 04/08/2020 |
| DOC. TITLE Laboratory Risk Assessment | | | |

Environmental Health & Safety

LABORATORY HAZARD ASSESSMENT

To be completed by Lab Personnel before beginning a new procedure

PI: Chemical Hygiene Officer

Date: January 1, 2020

Procedure: Dilution of Chemicals and Testing of Bunsen Burner

| NAME OF CHEMICAL / EQUIPMENT | HAZARD | REQUIRED PERSONAL PROTECTIVE EQUIPMENT (PPE) | Engineering Controls |
|--|---|---|----------------------|
| Acetone | Flammable, Irritant | Goggles, Lab coat, Gloves | Fume hood |
| Hydrogen Peroxide | Corrosive, Oxidizer, Irritant | Goggles, Lab coat, Gloves | Fume hood |
| Bunsen Burner | Burn (Fire), Flammable Gas | Goggles, Gloves (heat resistant) | N/A |
| Striker | Burn (heat) | Goggles, Gloves (heat resistant) | N/A |
| Water | N/A | N/A | N/A |
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| | | | |
| NOTES: Do not mix acetone waste with hydrogen peroxide waste Keep Bunsen Burner away acetone, hydrogen peroxide, and combustibles | | | |
| Examples of Chemical Hazards: Flammable, Air Reactive, Water Reactive, Explosive Corrosive (acid or base), Irritant Oxidizing Agent, Reducing Agent Toxic, Carcinogen, Teratogen, Mutagen Biohazard Cylinder Radioactive Examples of Equipment Hazards: Electrical, Heat Burn, Puncture | Examples of PPE: Goggles, Lab Coat (appropriate), Gloves (appropriate), Face Shield Masks | Examples of Engineering Controls: Fume Hood, Biosafety Cabinet, Blast Shield, Glove Box, | |

NOTE: All laboratory rules outlined in the Chemical Hygiene Plan must be adhered to when carrying out this procedure

AMHERST COLLEGE



Environmental Health & Safety

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