

Date:07/10/2020

Planning Board of Littleton MA
37 Shattuck St, Room 303
Littleton, MA 01460

Subject: For use or Storage of Chemicals and Materials

Dear Chair and Board Members:

All the waste generated from testing activities will be contained in a Satellite waste accumulation area within the laboratory until containers are full as per Massachusetts hazardous Waste regulation 310 CMR 30.340(6),30.351(4) and 30.353(6)(i). The containers will be placed on top of spill containment platform. Volatiles and organic waste will be separated into appropriate container as per OSAH standards and NFPA code 30 guidelines. The accumulated waste will be collected by a hazardous waste management vendor on a regular basis.

Since 160 Ayer road unit 3 Falls under Water resource District according to Littleton zoning. The following is a list of chemicals with its hazard classification and containment method the lab intends to put in place. The MSDS / SDS for all the chemicals listed are attached.

Name	CAS#	Hazard Classification	Containment Method	Quantity Stored
Acetonitrile	75-05-8	Flammable liquid and vapor	Stored in flammable liquid storage cabinet Meeting NFPS Liquid code 30, OSHA standard 1910.06	10 gal
Methanol	67-56-1	Flammable liquid and vapor	Stored in flammable liquid storage cabinet Meeting NFPA Liquid code 30, OSHA standard 1910.06	5 gal
Formic Acid	64-18-6	Flammable liquid	Stored in flammable liquid storage cabinet Meeting NFPA Liquid code 30, OSHA standard 1910.06	200 mL
Nitric Acid	7697-37-2	Oxidizing liquids	Stored in a liquid storage cabinet meeting NFPA code 30, and OSHA requirement. Stored separately from flammable liquids	1L
Ammonium formate	540-69-2	Irritant	Stored in a cool, dry, well-ventilated area away from incompatible substances. protected from moisture.	200 g
Phosphoric Acid	7664-38-2	Causes burns by all exposure routes	Stored in a cool, dry place. Stored in a tightly closed container. Corrosives area. Not stored in metal containers.	200 mL

Name	CAS#	Hazard Classification	Containment Method	Quantity Stored
Hydrochloric acid	7647-01-0	Hazardous. See SDS	Stored in Cool, dry place. Not stored in metal container. Stores separately from oxidizers and alkalis.	1L
Hydrogen peroxide 30%	7722-84-1	Strong oxidizer	Store protected from light. Keep away from alkalies, oxidizable materials, finely divided metals, alcohols, and permanganates. Store only in light-resistant containers fitted with a safety vent.	1L
Triton-X 100	9002-93-1	Harmful if swallowed Causes serious eye damage	Store in a cool, dry place. Store in a tightly closed container. Corrosives area. Do not store in metal containers.	1L

Thank you!
 Shankar Gautam.
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