OXIDIZERS

1. PROCESS	Use and storage of oxidizers including but not limited to: Hydrogen Peroxide, Potassium Perchlorate, Potassium Permanganate and Sodium Dichromate. Other oxidizers used in this lab are: *_____ _____
2. HAZARDOUS CHEMICALS/CLASS OF HAZARDOUS CHEMICALS	Oxidizers such as dichromates, permanganate or perchlorates may cause skin irritation or sensitization. Besides other hazardous properties, many oxidizers may also present fire and explosion hazards.
3. PERSONAL PROTECTIVE EQUIPMENT	Wear chemical splash goggles and heavy duty nitrile or neoprene gloves (consult Appendix F). Call EH&S (3-0467) for further information if needed. A lab coat or apron is recommended for personal protection and is required when dispensing or cleaning up a spill of a quantity greater than 1 liter of liquid or 0.5kg of a solid.
4. ENGINEERING\VENTILATION CONTROLS	Perchloric acid can be used only in a perchloric acid hood. There are no perchloric acid hoods in the Department. Oxidizers should be dispensed in a fume hood.
5. SPECIAL HANDLING PROCEDURES AND STORAGE REQUIREMENTS	Store separate from organic compounds, flammable materials, metals, and other easily oxidizable materials; do not use metal containers. For transportation, use a safety bucket or other secondary container with vermiculite or other neutral absorbant material.
6. SPILL AND ACCIDENT PROCEDURES	Absorb a liquid spill with diatomaceous earth. Contact EH&S (5-2848) for specific clean-up directions involving absorbed liquid or solid from chemical spills.
7. WASTE DISPOSAL	Most oxidizer solutions cannot be flushed down the drain, even with excess of water. Consult Appendix E or call EH&S (5-2848) for disposal instructions. Concentrated solutions, spill materials, and pure chemicals are collected for disposal and/or reuse.
8. SPECIAL PRECAUTIONS FOR ANIMAL USE	*

*To be filled in by PI or Laboratory Supervisor if necessary