

Contents	Page
1 Introduction.....	1
2 Scope and purpose	1
2.1 Scope	1
2.2 Purpose	1
3 Definitions.....	2
3.1 Liquid oxygen	2
3.2 Oxygen	2
3.3 Small portable liquid oxygen system	2
3.4 Transfilling	2
4 Hazards of oxygen	2
4.1 Transfilling hazards	2
4.2 Oxidation hazards.....	2
4.3 Cryogenic hazards.....	2
4.4 Expansion—vaporization hazards.....	3
5 Handling liquid oxygen	3
5.1 Use of liquid oxygen systems	3
5.2 Transfilling	3
5.3 Sources of ignition	4
5.4 Patient instructions	4
5.5 Storage of liquid oxygen systems.....	4
5.6 Maintenance of liquid oxygen systems.....	5
6 Safety	5
6.1 Fire prevention.....	5
6.2 Prevent high concentrations of oxygen	5
6.3 Warning signs.....	5
6.4 First aid for frostbite and cryogenic burns	6
6.5 Fire extinguisher/sprinklers.....	6
6.6 Emergency procedures	6
7 References	6
 Appendix	
Appendix A—Use of liquid oxygen systems in health care facilities—precautions at a glance (Informative)	7