

Contents	Page
1 Introduction.....	1
2 Scope	1
3 Hazards of liquid oxygen	1
3.1 Oxidation hazards.....	1
3.2 Cryogenic hazards.....	2
3.3 Expansion or vaporization hazards	2
4 Regulations	2
4.1 United States regulations	3
4.2 Canadian regulations	5
4.3 State, provincial, territorial, and local ordinances	5
5 Transfilling system and equipment.....	5
5.1 General.....	5
5.2 Compatibility of materials used in transfilling systems	7
5.3 Cryogenic containers.....	7
5.4 Cryogenic container valves, pressure control, and pressure relief devices	10
5.5 Source of liquid oxygen supply.....	10
5.6 Empty cryogenic containers	10
6 Liquid oxygen transfilling operation	10
7 Container maintenance and storage	11
8 References	11