

EMERGENCY PROCEDURE GUIDE — TRANSPORT

Second edition—05 2003



NAME	UN No	HAZCHEM
OXYGEN, REFRIGERATED LIQUID	1073	2PE

*Light blue, transparent non-flammable liquid (liquefied gas).
Contact with air causes fog. Cold gas is denser than air.
Transported in liquid form in insulated tankers or in specially insulated receptacles at a very low temperature, which may be maintained by evaporation of liquid oxygen.
Strong supporter of combustion. Mixture of liquid oxygen with flammable or combustible materials can create an explosion risk and in some instances can detonate.*

EMERGENCY CONTACTS

**POLICE OR FIRE BRIGADE: DIAL 000—IF INEFFECTIVE DIAL 1100 (EXCHANGE)
POISONS INFORMATION CENTRE: 13 11 26**

Organization	Location	Telephone	Ask for
		Include area code in brackets	

HAZARDS

FIRE	<p>Oxygen does not burn but will increase intensity of fire. Can ignite combustibles (wood, paper, oil, clothing, etc.). Very high concentrations of oxygen support violent combustion, even of metals.</p> <p>Liquid oxygen in association with organic materials can create explosion risk and may detonate. Liquid oxygen may explode when in contact with combustible materials (e.g. oil, asphalt, hot tyres).</p> <p>Cold vapours from liquefied gas will initially be heavier than air. Containers may explode when heated. Ruptured cylinders may rocket. Burning material may produce irritating fumes.</p>
HEALTH	<p>Prolonged inhalation of pure oxygen may cause pulmonary irritation and oedema.</p> <p>Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite, with death of tissue even through normal gloves.</p>

PROTECTIVE CLOTHING

EMERGENCY RESPONDERS	<p>Protective clothing must be clean and oil-free. Trousers should not have cuffs, so as to prevent oxygen entrapment.</p> <p>If entry into an oxygen-enriched atmosphere is necessary, clothing should be soaked with water so as to reduce fire hazard.</p> <p>Always wear thermal protective clothing when handling liquids and equipment.</p>
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