

Fine Gas Company Limited

Document Number
QCS/SDS/10

Safety Data Sheet: Compressed Air

Revision Number
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1	Product	Air
2	Hazard Identification	High pressure gas which can support combustion. Non-Toxic
3	Potential Health Effects	
3.1	Breathing	No adverse effects
3.2	Contact	No adverse effects on eye or skin contact
4	Aggravated Medical Condition	None
5	First Aid Measures	Move to fresh air on inhalation
5.1	Eye Contact	N/A
5.2	Skin Contact	N/A
6	Fire Fighting Measures	
6.1	General	All known extinguisher media can be used on air.
6.2	Specific Hazard	Upon exposure to intense heat or flame, cylinder will vent rapidly or rupture violently. Move away from container and cool with water from a protected position. If possible, stop flow of product. Keep adjacent cylinders cool by spraying with large amounts of water until the fire burns out. Most cylinders are designed to vent contents when exposed to elevated temperatures. Wear self contained breathing apparatus for fire fighting if necessary
7	Accidental Release Measures	Ventilate the area. Prevent further leakage or spillage if safe to do so.
8	Handling & Storage	Don't allow storage area temperature to reach more than 50 °C (122 °F). Only experienced and trained personnel are allowed to handle compressed gases. Use trolley or cart for moving cylinder even for a shorter distance. Ensure complete gas system has been checked for leakages, pressure rating and materials before use. Open valve of the cylinder slowly. In case, the user feels any difficulty in the operation of the cylinder valve, never use the cylinder or try to repair / modify its valves or safety relief devices. Close valve after use or when cylinder is empty. Don't subject cylinder to any mechanical shock or lifting it by its valve. Don't use cylinders for uses for which they are not designed or specified. Never strike an arc on a compressed gas cylinder or making it a part of the electrical circuit. Don't allow any ignition, spark or flame in the cylinder handling & storage area. Never recompress the gas or its mixture or transfer gas from one cylinder to another. Never use any electrical or any other heating device to raise the pressure of the gas cylinder. Cylinders should be stored in a purpose built compound which should be well ventilated, preferably in an open air. Stored cylinders should be periodically checked for general condition or leakage. Always safe guard cylinders from rust and extreme weather conditions. Full and empty cylinders should be properly segregated in the storage area. Display board should be hanged outside storage & handling area of "No Smoking / Open Flames". Never permit oil,

- grease and other combustible materials on cylinder valve /spindle
 Secure cylinder vertically & properly to prevent them from toppling
 Use cylinders on First In First Out basis
- 8 Handling & Storage**
- 9 Personal Protective Equipment**
- 9.1 Hands Protection** Work gloves are recommended while handling cylinders
- 9.2 Eyes Protection** Safety Glasses are recommended for eyes protection
- 9.3 Skin & Body Protection** Wear appropriate personal protective equipment like Safety Shoes when handling cylinders
- 10 Physical & Chemical Properties**
- 10.1 Physical Status** Compressed Gas
- 10.2 Colour** Colourless
- 10.3 Odour** None
- 10.4 Boiling Point** -194.3 °C (-318 °F)
- 11 Stability & Reactivity** Stable under normal conditions.

Prepared By Management Representative	Reviewed By Production Manager	Approved By General Manager	Issued On 01/04/06
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