





COSHH ASSESSMENT

Product Name(s):	Carbon Dioxide	COSHH Assess. No.:	02
Description of Substance:	Fire extinguishing agent	Assessed By:	J Vickery
Workplace Exposure Limits:	OES: LTEL 5000vpm, STEL 15,000vpm	Date:	25/01/2022
Task/Activity:	CO2 extinguishers are always removed for refilling and testing. The discharge is a mixture of gas and solid (dry ice).	Hazard Statements:	H280
		Precautionary Statements:	P403
Suppliers Name & Address:	BOC, Priestley Road, Worsley M28 2UT	Telephone/ Fax No's:	0800 111 333
		MSDS Attached:	Yes

SUBSTANCE PROPERTIES

							
Flammable/ Highly Flammable	Oxidiser	Explosive	Harmful	Toxic/ Very Toxic	Irritant	Dangerous to the Environment	Corrosive
No	No	No	No	No	No	No	No







ROUTE OF EXPOSURE

Skin	X	Eyes	X	Inhalation	X
Ingestion		Cuts/ Abrasions		Injection	

PERSONS AT RISK

Users of the product	X	Members of Public	X	Visitors	X
Other Workers	X	Young Persons	X		

PPE REQUIREMENTS

						Other:	Other:
No	No	No	No	No	No	No	No

ADDITIONAL CONTROL MEASURES

General Precautions	Control Measures
<p>Asphyxiant in high concentrations.</p> <p>Do not breathe the gas.</p> <p>Contact with the liquid may cause cold burns and/or frostbite.</p>	None

First Aid/Hygiene Arrangements	Fire Precautions
Inhalation: remove patient to fresh air and seek medical attention. Skin/eye: flush with water for 15 minutes. Apply a sterile dressing to frostbite. Seek medical attention.	None as extinguishing agent

LEV Requirements	Monitoring Requirements
None	None

Transport Arrangements	Storage Requirements
Non hazardous Extinguishers are UN1044 Class 2.2 but are exempt for road transport under the ADR	Keep away from heat as CO2 is held as a liquefied gas under a pressure of 56 bar at 20 deg C. H280: Contains gas under pressure; may explode if heated

Spillage Procedures	Disposal Requirements
Not hazardous unless concentrated in low lying areas. Ventilate area thoroughly before entering. Asphyxiant in high concentrations.	Discharge to atmosphere. Not indoors.

Comments
Engineers should not come into contact with CO2 unless they are discharging them. This must be done in a well ventilated area to avoid asphyxiation.