

MATERIAL SAFETY DATA SHEET

Oxygen (Gas)

PRODUCT AND COMPANY IDENTIFICATION

Product name	Oxygen (compressed)
Chemical name	Oxygen
Chemical formula	O ₂
Company identification	CryoExpress Singapore Pte Ltd 1 Bukit Batok Crescent #05-15 WCEGA Plaza Singapore 658064
Telephone number	(65) 6561 5282

PRODUCT INFORMATION / INGREDIENTS

Components	Formed from element oxygen
Impurities	Contains no other impurities which will influence the classification of the product
CAS Nr	7782-44-7

HAZARDS IDENTIFICATION

Hazards identification	High oxidizing gas. Greatly accelerates combustion rate.
Inhalation	May cause breathing difficulties. Exposure to high oxygen levels (>75%) for more than a few hours could cause central nervous system depression: signs/symptoms include headache, dizziness, drowsiness, poor coordination, slow reaction time, slurred speech, giddiness and unconsciousness. May cause coughing and chest pain. May cause lung damage. May cause soreness of the throat.
Skin / Eye contact	No adverse effects anticipated.
Ingestion	Ingestion is unlikely to happen

Exposure limit value (PEL-OSHA)	None
Personal protection	Ensure adequate ventilation. In case of leakage, use self-contained breathing apparatus.

PHYSICAL AND CHEMICAL PROPERTIES

Molecular weight	32
Freezing point	-218.8 °C
Boiling point	-183 °C
Critical temperature	-118 °C
Relative density, gas	1.11 (air = 1)
Relative density, liquid	1.14 (water = 1)
Vapour pressure 20 °C	Not applicable
Solubility mg/l water	39 mg/l
Odour and appearance	Colourless, odourless gas.
Other data	Gas/vapour heavier than air. May accumulate in confined spaces, particularly at or below ground level.

STABILITY AND REACTIVITY

Stability and reactivity	Stable under normal conditions.
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TOXICOLOGICAL INFORMATION

General	None.
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ECOLOGICAL INFORMATION

General	None.
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DISPOSAL CONSIDERATIONS

General	Do not discharge into any place where its accumulation could be dangerous. Discharge to atmosphere in large quantities should be avoided. Contact supplier if guidance is required.
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TRANSPORT INFORMATION

Proper shipping name	Oxygen, compressed
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