

# SAFETY DATA SHEET

OXYGEN

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Issued: 24/06/2004

Revision No: 1

## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

**Product name:** OXYGEN

**CAS number:** 7782-44-7

**EINECS number:** 231-956-9

**Index number:** 008-001-00-8

**Company name:** Advanced Engineering Limited

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## 2. COMPOSITION / INFORMATION ON INGREDIENTS

## 3. HAZARDS IDENTIFICATION

**Main hazards:** Contact with combustible material may cause fire.

## 4. FIRST AID MEASURES (SYMPTOMS)

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** There may be a feeling of tightness in the chest with shortness of breath.

## 4. FIRST AID MEASURES (ACTION)

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

## 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Alcohol or polymer foam. Water spray. Carbon dioxide. Dry chemical powder.

**Exposure hazards:** Oxidising. In combustion emits toxic fumes.

**Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

[cont...]

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**Personal precautions:** Remove all incompatible materials as outlined in section 10 of SDS.

**7. HANDLING AND STORAGE**

**Handling requirements:** Ensure there is sufficient ventilation of the area.

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed. Avoid incompatible materials and conditions - see section 10 of SDS.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency. Respiratory protective device with particle filter.

**Hand protection:** Protective gloves.

**Eye protection:** Safety goggles.

**Skin protection:** Protective clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Gas

**Colour:** Colourless

**Odour:** Odourless

**Oxidising:** Oxidising (by EC criteria)

**Relative density:** 1.1

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions. Stable at room temperature.

**Conditions to avoid:** Heat.

**Materials to avoid:** Organic materials.

**Haz. decomp. products:** In combustion emits toxic fumes.

**11. TOXICOLOGICAL INFORMATION**

**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

**12. ECOLOGICAL INFORMATION**

**Persistence and degradability:** Biodegradable.

**Bioaccumulative potential:** No bioaccumulation potential.

**Other adverse effects:** Negligible ecotoxicity.

**13. DISPOSAL CONSIDERATIONS**

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**14. TRANSPORT INFORMATION**

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**UN no:** 1072 **ADR Class:** 2  
**Classification code:** 10  
**Shipping name:** OXYGEN, COMPRESSED  
**Labelling:** 2.2+5.1 **Hazard ID no:** 25

**IMDG / IMO**

**UN no:** 1072 **Class:** 2.2  
**EmS:** F-C,S-W **Marine pollutant:** NO  
**Labelling:** 2.2+5.1

**IATA / ICAO**

**UN no:** 1072 **Class:** 2  
**Subsidiary risk:** 5.1 **Packing instructions:** 200  
**Labelling:** 2.2+5.1

**15. REGULATORY INFORMATION**

**Hazard symbols:** Oxidising.



**Risk phrases:** R8: Contact with combustible material may cause fire.

**Safety phrases:** S60: This material and its container must be disposed of as hazardous waste.

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

**16. OTHER INFORMATION**

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.