

Material Safety Data Sheet (MSDS)

Product Name: Oxygen

Product Use: Industrial and Medical Applications

Company Identification:

- **Company Name:** Indo-Ghana Industries Ltd
- **Address:** B-6158 Dadeban Rd. North Industrial Area, Accra, Ghana
- **Emergency Contact:** 054 431 3876
- **Telephone Number:** 054 431 3876
- **Date of Preparation:** 12/9/2023

Section 1: Product and Company Information

Product Name: Oxygen

Product Use: Oxygen is used in various industrial and medical applications, including welding, cutting, medical therapy, and as an oxidizer in various chemical processes.

Section 2: Hazards Identification

GHS Classification: Not classified as hazardous.

Section 3: Composition/Information on Ingredients

Chemical Name: Oxygen

CAS Number: 7782-44-7

Chemical Formula: O₂

Concentration: 100%

Section 4: First Aid Measures

Inhalation: Inhaling oxygen is not harmful. Move to fresh air if there are symptoms of discomfort.

Skin Contact: Not applicable.

Eye Contact: Not applicable.

Ingestion: Oxygen is a gas and is not intended for ingestion. Seek medical attention if ingested.

Section 5: Fire-fighting Measures

Suitable Extinguishing Media: Use extinguishing media suitable for surrounding fire.

Special Firefighting Procedures: No specific firefighting procedures are required for oxygen.

Section 6: Accidental Release Measures

Personal Precautions: Ensure adequate ventilation. Avoid ignition sources.

Environmental Precautions: Oxygen released to the environment is not considered hazardous.

Section 7: Handling and Storage

Handling: Use appropriate handling equipment. Store cylinders in a well-ventilated area away from flammable materials.

Storage: Store cylinders in a cool, dry place away from direct sunlight and incompatible substances.

Section 8: Exposure Controls/Personal Protection

Respiratory Protection: Not required under normal conditions of use.

Eye Protection: Safety glasses with side shields are recommended if there is a risk of eye contact.

Section 9: Physical and Chemical Properties

Physical State: Gas

Color: Colorless

Odor: Odorless

Boiling Point: -183°C (-297°F)

Melting Point: -219°C (-362°F)

Density (at 0°C and 101.3 kPa): 1.429 g/L

Section 10: Stability and Reactivity

Stability: Stable under normal conditions.

Incompatible Materials: Avoid contact with flammable materials, oils, and grease.

Section 11: Toxicological Information

No specific toxicological data available for oxygen as it is not considered toxic under normal conditions of use.

Section 12: Ecological Information

Oxygen does not pose significant environmental hazards.

Section 13: Disposal Considerations

Waste Disposal: Dispose of empty oxygen cylinders in accordance with local regulations.

Section 14: Transport Information

N Number: UN1072

Transport Hazard Class: 2.2

Section 15: Regulatory Information

This product is subject to local, state, and national regulations. Ensure compliance with all applicable laws and regulations.

Section 16: Other Information

This Material Safety Data Sheet is provided in accordance with the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200). It is intended to provide information on the proper handling and safety precautions for this product.

Note: The information provided in this MSDS is based on the current state of knowledge and is intended as a guide for safe handling and use. It is not to be construed as a warranty or representation for which we assume legal responsibility. Users should consider the information in the context of the specific circumstances in which the product is used.

For more detailed information or specific inquiries, please contact Indo-Ghana Industries Ltd at the provided contact numbers.