

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Ultra Purity Gases

Product Use: Manufacturing and industrial applications

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 2: HAZARDS IDENTIFICATION

This product is classified as non-hazardous when handled and used in accordance with standard safety practices. However, improper handling or usage may pose risks.

Emergency Overview:

- Physical State: Gaseous
- Color: Colorless
- Odor: Odorless
- Health Hazards: Minimal health hazards under normal conditions
- Fire Hazards: Non-flammable gas
- Reactivity: Stable under recommended storage and handling conditions

Potential Health Effects:

- Inhalation: High concentrations may displace oxygen. Ensure adequate ventilation in confined spaces.
- Skin Contact: Non-irritating to the skin.
- Eye Contact: Non-irritating to the eyes.
- Ingestion: Not applicable for gases.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product consists of ultra-purity gases, and the specific composition may vary depending on the gas mixture. Detailed composition information is available upon request.

SECTION 4: FIRST AID MEASURES**Inhalation:**

- If exposed to high concentrations and experiencing respiratory discomfort, move to an area with fresh air.
- Seek medical attention if symptoms persist.

Skin Contact:

- Wash affected areas with soap and water.
- Seek medical attention if irritation occurs.

Eye Contact:

- Flush eyes with plenty of water for at least 15 minutes.

- If irritation persists, seek medical attention.

Ingestion:

- As this product is in gaseous form, ingestion is not applicable.

SECTION 5: FIRE-FIGHTING MEASURES**Fire and Explosion Hazards:**

- Ultra Purity Gases are non-flammable.
- Use standard fire-fighting equipment for surrounding fires.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Evacuate the area if there is a release of high concentrations.
- Ventilate the area and allow the gas to disperse in well-ventilated areas.
- For large releases, contact local authorities for proper containment and clean-up procedures.

SECTION 7: HANDLING AND STORAGE**Handling:**

- Use in well-ventilated areas.
- Ensure proper training for personnel handling ultra-purity gases.
- Follow all applicable regulations for handling compressed gases.

Storage:

- Store in a cool, dry, and well-ventilated area.
- Keep away from open flames, heat, and incompatible materials.
- Use appropriate gas storage containers and systems.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Limits:**

- Follow local occupational exposure limits and regulations.

Personal Protective Equipment (PPE):

- Eye and face protection: Safety goggles or face shield as needed.
- Respiratory protection: Use NIOSH-approved respiratory equipment if needed.
- Hand protection: Use gloves appropriate for the specific gas mixture.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- Physical State: Gaseous
- Color: Colorless
- Odor: Odorless
- Boiling Point: Varies depending on the gas composition.

SECTION 10: STABILITY AND REACTIVITY

- Stable under recommended storage and handling conditions.

- Avoid contact with incompatible materials.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological data specific to this product is available upon request.

SECTION 12: ECOLOGICAL INFORMATION

This product is not expected to have adverse effects on the environment when handled and used according to recommended practices.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of empty gas cylinders and contaminated materials in accordance with local, state, and federal regulations.

SECTION 14: TRANSPORT INFORMATION

Follow all applicable regulations for the transportation of compressed gases.

SECTION 15: REGULATORY INFORMATION

Comply with all local, state, and federal regulations regarding the storage, handling, and disposal of gases.

SECTION 16: OTHER INFORMATION

This MSDS provides essential information about the safety and handling of Ultra Purity Gases manufactured by Indo-Ghana Industries Ltd. It is not a specification sheet or a guarantee of product performance.

For more detailed information or specific inquiries, please contact our company at the provided telephone number.

END OF MATERIAL SAFETY DATA SHEET