

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: CH₄+A Mixture Gas

Product Use: Industrial use, Fuel, Chemical Feedstock

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

CH₄+A Mixture Gas is a flammable gas and may pose fire and explosion hazards if not handled properly. It is important to take necessary precautions to prevent accidents.

EMERGENCY OVERVIEW:

- Appearance: Colorless, odorless gas
- Odor: None
- Warning Properties: None
- Health Hazards: Inhalation of high concentrations may cause asphyxiation.

POTENTIAL HEALTH EFFECTS:

- Inhalation: May cause dizziness, headache, nausea, and asphyxiation in high concentrations.
- Skin Contact: Not expected to be a skin irritant.
- Eye Contact: Not expected to be an eye irritant.
- Ingestion: Not applicable for gases.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name: Methane (CH₄) and other hydrocarbons

CAS Number: 74-82-8 (Methane)

COMPOSITION:

- Methane (CH₄): ≥ 90%
- Other Hydrocarbons: ≤ 10%

SECTION 4: FIRST AID MEASURES

Inhalation:

- Remove the affected person to fresh air.
- If breathing is difficult, administer oxygen.
- Seek medical attention if symptoms persist.

Skin Contact:

- Remove contaminated clothing.
- Wash the affected area with soap and water.

- Seek medical attention if irritation occurs.

Eye Contact:

- Rinse eyes gently with water for at least 15 minutes, holding eyelids open.
- Seek medical attention if irritation persists.

SECTION 5: FIRE-FIGHTING MEASURES

Flammability: CH₄+A Mixture Gas is highly flammable.

Extinguishing Media: Use dry chemical, carbon dioxide (CO₂), or foam for extinguishing fires involving this gas.

Firefighting Instructions: Evacuate the area and let the fire burn itself out if it cannot be quickly extinguished. Firefighters should wear appropriate protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Evacuate the area and restrict access.
- Ventilate the area to disperse the gas.
- Eliminate all ignition sources.
- Use non-sparking tools for clean-up.
- Ensure proper respiratory protection and protective clothing.
- Report the release to appropriate authorities if required.

SECTION 7: HANDLING AND STORAGE

Handling:

- Use in a well-ventilated area.
- Store and handle containers with care to prevent damage.
- Keep away from sources of ignition.
- Use only in areas designated for gas use.

Storage:

- Store cylinders in a cool, dry, well-ventilated area away from incompatible materials.
- Secure cylinders to prevent falling.
- Keep cylinders away from direct sunlight and heat sources.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**Engineering Controls:**

- Use local exhaust ventilation to control airborne concentrations.
- Ensure adequate ventilation in enclosed spaces.

Personal Protective Equipment (PPE):

- Eye/Face Protection: Safety glasses or goggles.
- Skin Protection: Appropriate gloves.
- Respiratory Protection: Use a NIOSH-approved respirator when working with high concentrations or in confined spaces.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- Appearance: Colorless gas

- Odor: Odorless
- Melting Point: -182.5°C (-296.5°F)
- Boiling Point: -161.5°C (-258.7°F)
- Density: 0.717 kg/m³ at 0°C (32°F)
- Vapor Pressure: 4.6 MPa at 21°C (69.8°F)

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Incompatibility: Avoid contact with strong oxidizers.

Hazardous Decomposition Products: None under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicity: Data on the toxicological properties of this mixture is limited.

Inhalation: High concentrations may cause asphyxiation.

Skin Contact: Not expected to be a skin irritant.

Eye Contact: Not expected to be an eye irritant.

SECTION 12: ECOLOGICAL INFORMATION

This product is a gas and is unlikely to have significant environmental impacts.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of containers and gas in accordance with local, state, and federal regulations.

SECTION 14: TRANSPORT INFORMATION

Proper shipping name: Methane, compressed

UN Number: UN1971

Class: 2.1 (Flammable Gas)

Packaging Group: None

SECTION 15: REGULATORY INFORMATION

This product may be subject to various regulations, including but not limited to, workplace safety, transportation, and environmental regulations. Ensure compliance with all applicable laws and regulations.

SECTION 16: OTHER INFORMATION

This MSDS is provided for informational purposes and is based on our current knowledge of the product. It does not replace any legal requirements for product labeling or safety data sheets under applicable laws and regulations.

End of Safety Data Sheet