

**SAFETY DATA SHEET - CALIBRATION CHECK GAS**

**PRODUCT:**  $\leq 0.6\%$  HEXANE BALANCE AIR **PAGE:** 1/3  
**SDS NO:** 047B **Version:** 7 **Date:** 28<sup>th</sup> October 2008

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY**

SDS NO: 047B  
 Product Name:  $\leq 0.6\%$  Hexane Balance Air ( $\geq 17$  litres)  
 Company Identification: See heading and/or footer

**2. HAZARDS IDENTIFICATION**

Hazards identification In high concentrations may cause asphyxiation.  
 Compressed gas

**3. COMPOSITION/INFORMATION OF INGREDIENTS**

Substance/Preparation Preparation  
 Composition/Impurities Contains no other components or impurities, which will influence the classification of the product

**4. FIRST AID MEASURES**

Inhalation At high concentrations, hydrocarbons can have a narcotic effect.  
 Ingestion Ingestion is not considered a potential route of exposure

**5. FIRE-FIGHTING MEASURES**

Fire-fighting measures These containers hold gas under pressure, with no liquid phase. If involved in a major fire, they should be sprayed with water to avoid pressure increases, otherwise pressures will rise and ultimately they may distort or burst to release the contents. The gases will not add significantly to the fire, but containers or fragments may be projected considerable distances - thereby hampering fire-fighting efforts.

**6. ACCIDENTAL RELEASE MEASURES**

Accidental Release Measures In terms of weight, these containers hold very little contents, such that any accidental release by puncturing etc. will be of no practical concern.

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**7. HANDLING AND STORAGE**

Handling and Storage

Suck back of water into the container must be prevented. Do not allow back feed into the container. Use only properly specified equipment, which is suitable for this product, its supply pressure and temperature. Contact your gas supplier if in doubt.

Cylinders should be stored upright and it is good practice to keep inert, flammables and oxidants apart. All cylinders should be stored with the regulator detached, this provides a very useful safety measure as it prevents accidental high pressure gas discharge. Store either outside or in a well ventilated area, away from ignition sources, ideally in a secure storage area.

High temperatures will cause the gas to expand resulting in a rise in pressure, the upper recommended limit is 45°C or 50°C, however, there is a large safety margin on the burst pressure. Mtech guarantees all mixtures to 0°C.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Personal protection

Ensure adequate ventilation  
 Hexane WEL – 20ppm (8hr TWA)

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Relative density, gas	Lighter than air
Solubility mg/l water	Not known but considered to have low solubility
Appearance/Colour	Colourless gas
Odour	None

**10. STABILITY AND REACTIVITY**

Stability and reactivity

Stable under normal conditions.

**11. TOXICOLOGICAL INFORMATION**

General

No known toxicological effects from this product.

**12. ECOLOGICAL INFORMATION**

General

No ecological damage caused by this product

