Precision Gas Products Inc.

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Hexane in Air
0.0001% to 0.6%

MATERIAL SAFETY DATA SHEET

Identification

Revision Date 01-01-15

Products Name: HEXANE IN AIR 0.0001% TO 0.6%
CAS Number: N/A
Chemical Family: Gas Mixture
Chemical formula: C6H14 in Air
MSDS identification Code/ Number: MSDS 120

Composition/ Information on Ingredients

Ingredient Name		Concentration Percent by Weight
HEXANE CAS Number: 110-54-3		<0.0001 to 0.6
AIR CAS Number: 25635-88-5	None	99.4 to 99.999

Exposure Limits

- OSHA PEL-TWA: 500 ppm (transitional
- OSHA PEL-TWA: 50 ppm (final)
- ACGIH TLV-TWA: 50ppm
- IDLH: 5000 ppm

Hazard Identification

No data given

First Aid Measures

Eyes
Flush contaminated eyes with copious quantities of water. Part eyelids to assure complete flushing. Continue for 15minutes. Seek medical attention.

Skin
Remove contaminated clothing as rapidly as possible. Flush affected areas with water

Ingestion
Do not induce vomiting as aspiration into the lung may cause pulmonary edema and complications. Do not administer milk, alcohol or fatty foods. Lay victim down in a cool, quiet, well-ventilated area and keep warm with a blanket. Consult a poison control center for instructions as soon as possible.

Inhalation
Prompt medical attention is mandatory in all cases of overexposure. Rescue personnel should be equipped with self-contained breathing apparatus. Victims should be assisted to an uncontaminated area and inhale fresh air. Quick removal from the contaminated area is most important. If breathing has stopped, administer artificial resuscitation and supplemental oxygen. Keep victim warm and quite. Prompt medical attention is mandatory in all cases of overexposure to Hexane.

Fire Fighting Measures

Flammable Properties
Flash Point: None
Lower Explosive Limit (%): 1.1 (Hexane)
Upper Explosive Limit (%): 7.4 (Hexane)

- Fire and Explosion Hazards: Vapors may accumulate in areas with inadequate ventilation possibly forming an explosive atmosphere. Use adequate ventilation. Electrical Classification: Class 1, Group not specified.

- Extinguishing Media: Water (foam), dry chemical, carbon dioxide.

- Fire Fighting Instructions: If possible, stop flow of gas; use water spray to cool containers. Wear self-contained breathing apparatus and other protective clothing.

Accidental Release Measures

Evacuate all personnel from affected areas. Use appropriate protective equipment. If leak is in user's equipment, be certain to purge piping with an inert gas prior to attempting repairs. If leak is in container or container valve, contact CHEMTREC location for emergency assistance.

Handling and Storage

- Handling and Storage Precautions

Use only in well – ventilated areas. Valve protection caps must remain in place unless container is secured with valve outlet piped to use point. Do not drag, slide or roll cylinders. Use a suitable hand truck for cylinder movement. Use a pressure-reducing regulator when connecting cylinder to lower pressure (<3000 psig) piping or systems. Do not heat cylinder by any means to increase the discharge rate of product from the cylinder. Use a check valve or trap in the discharge line to prevent hazardous back-flow into the system**.**

Protect cylinders from physical damage. Store in cool, dry, well – ventilated area of noncombustible construction away from heavily trafficked areas and emergency exits. Do not allow the temperature where cylinders are stored to exceed 130°F (54°C). Cylinders should be stored upright and firmly secured to prevent falling or being knocked over. Use a "first in, first out" inventory system to prevent full cylinders being stored for excessive periods of time. Post "NO SMOKING OR OPEN FLAMES" signs in the storage area or use area. There should be no sources of ignition in the storage or use area. Never carry a compressed gas cylinder or a container of a gas in cryogenic liquid form in an enclosed space such as a car trunk, van or station wagon. A leak can result in a fire, asphyxiation or toxic exposure.

Exposure Controls/Personal Protection

Engineering Controls: Hood with forced ventilation. Use local exhaust to prevent accumulation above the exposure limit.

Eye/Face Protection: Safety goggles or glasses. Do not wear contact lenses.

Skin Protection: Protective gloves of any material.

Respiratory Protection: Positive pressure air lines with mask or self-contained breathing apparatus should be available for emergency use. Chemical cartridge respirators equipped with organic vapor cartridges may be used when concentrations are below 1000ppm and with adequate oxygen supply.

Physical & Chemical Properties

Appearance: A colorless gas.
Odor: Mild solvent odor

Basic Physical Properties
Solubility (H20): Negligible

Stability & Reactivity

Stability: Stable

Incompatible Materials: Oxygen, other oxidizers.

Hazardous Polymerization: Will not occur

Toxicological Information

- Eye Effects: Contact will cause irritation, redness and burning sensation. Persons with potential exposure to Hexane should not wear contact lenses.
- Skin Effects: Hexane is an irritant to the skin and can be absorbed through the skin in harmful amounts.
- Acute Oral Effects: Ingestion may cause gastrointestinal irritation, nausea, vomiting and headache.
- Acute Inhalation Effects: Inhalation of vapors causes dizziness, difficulty in walking, respiratory tract irritation, numbness of the extremities and eventual paralysis.
- Miscellaneous Toxicological Information
  Chronic exposure may cause harm to the nervous system that produces a lack of feeling in the extremities and other nerve damage.
  Carcinogenicity – NTP: No IARC: No OSHA: No

Ecological Information

- Other Environmental Information

The reportable quantity is the minimum quantity of a material that when released, requires reporting to the appropriate Federal, State and local officials. Notification requirements are found under CERCLA Section 103 (a). Initial notification
May be by telephone, radio, or in person. A written follow-up notice is also required.

Disposal Considerations

Do not attempt to dispose of waste or unused quantities. Return in the shipping container properly labeled, with any valve outlet plugs or caps secure and valve protection cap in place to Precision Gas Products for proper disposal.

Transport Information

Proper Shipping Name: Compressed Gas, N.O.S., (Air, Hexane)
Hazardous Class: 2.2
CT (DOT) Identification Number: UN 1956
CT (DOT) Shipping Label: Nonflammable gas

Regulatory Information

SARA Title III Notifications and Information
Reportable Quantity (Pounds): 100 (pure ammonia)
SARA Title III – Hazard Class: Acute Health Hazard
Chronic Health Hazard
Fire Hazard

Other Information

Hazard Rating	Health:	1 Slight
	Fire:	1 Slight
	Reactivity:	0 Negligible

MSDS Identification Code/Number: MSDS 120

Reference Documentation

Compressed gas cylinders should not be refilled except by qualified producers of compressed gases. Shipments of a compressed gas cylinder, which has not been filled by the owner or with his (written) consent is a violation of Federal Law (49CFR).

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