1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Liquefied Natural Gas
UN-Number: UN1972
Recommended Use: Industrial use.
Synonyms: LNG
Supplier Address*: Linde Gas North America LLC - Linde Merchant Production Inc. - Linde LLC
575 Mountain Ave.
Murray Hill, NJ 07974
Phone: 908-464-8100
www.lindeus.com

Linde Gas Puerto Rico, Inc.
Las Palmas Village
Road No. 869, Street No. 7
Catano, Puerto Rico 00962
Phone: 787-641-7445
www.pr.lindegas.com

Linde Canada Limited
5860 Chedworth Way
Mississauga, Ontario L5R 0A2
Phone: 905-501-1700
www.lindecanada.com

* May include subsidiaries or affiliate companies/divisions.

For additional product information contact your local customer service.

2. HAZARDS IDENTIFICATION

DANGER!

Emergency Overview

Extremely flammable
Extremely cold liquid and gas under pressure.
May cause skin, eye, and respiratory tract irritation
Asphyxiant at high concentrations
May cause central nervous system depression
Contents under pressure
Keep at temperatures below 52°C / 125°F

Appearance: Colorless.
Physical State: Cryogenic Liquid.
Odor: Petroleum like

OSHA Regulatory Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Potential Health Effects

Principle Routes of Exposure
Inhalation.

Acute Toxicity

Inhalation
May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination. Simple asphyxiant. May cause suffocation by displacing the oxygen in the air. Exposure to oxygen-deficient atmosphere (<19.5%) may cause dizziness, drowsiness, nausea, vomiting, excess salivation, diminished mental alertness, loss of consciousness and death. Exposure to atmospheres containing 8-10% or less oxygen will bring about unconsciousness without warning and so quickly that the individuals cannot help or protect themselves. Lack of sufficient oxygen may cause serious injury or death.

Eyes
Contact with product may cause frostbite.

Skin
May cause frostbite.

Skin Absorption Hazard
No known hazard in contact with skin.

Ingestion
Not an expected route of exposure.

Chronic Effects
None known.

Aggravated Medical Conditions
Respiratory disorders.

Environmental Hazard
See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Volume %</th>
<th>Chemical Formula</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methane</td>
<td>74-82-8</td>
<td>62-93</td>
<td>CH₄</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>7727-37-9</td>
<td>1-9</td>
<td>N₂</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>1-7</td>
<td>C₃H₈</td>
</tr>
<tr>
<td>Ethane</td>
<td>74-84-0</td>
<td>3-11</td>
<td>C₂H₆</td>
</tr>
<tr>
<td>N-Butane</td>
<td>106-97-8</td>
<td>1-3</td>
<td>C₄H₁₀</td>
</tr>
<tr>
<td>Isobutane</td>
<td>75-28-5</td>
<td>1-3</td>
<td>C₄H₁₀</td>
</tr>
<tr>
<td>Helium</td>
<td>7440-59-7</td>
<td>&lt;2</td>
<td>He</td>
</tr>
<tr>
<td>Isopentane</td>
<td>78-78-4</td>
<td>&lt;1</td>
<td>C₅H₁₂</td>
</tr>
<tr>
<td>Pentane</td>
<td>109-66-0</td>
<td>&lt;1</td>
<td>C₅H₁₂</td>
</tr>
<tr>
<td>Carbon dioxide</td>
<td>124-38-9</td>
<td>&lt;1</td>
<td>CO₂</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Eye Contact
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If frostbite is suspected, flush eyes with cool water for 15 minutes and obtain immediate medical attention.

Skin Contact
Wash off immediately with plenty of water. If skin irritation persists, call a physician. For dermal contact or suspected frostbite, remove contaminated clothing and flush affected areas with lukewarm water. DO NOT USE HOT WATER. A physician should see the patient promptly if contact with the product has resulted in blistering of the dermal surface or in deep tissue freezing.
Inhalation

PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF INHALATION OVEREXPOSURE. RESCUE PERSONNEL SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS. Conscious inhalation victims should be assisted to an uncontaminated area and inhale fresh air. If breathing is difficult, administer oxygen. Unconscious persons should be moved to an uncontaminated area and, as necessary, given artificial resuscitation and supplemental oxygen. Treatment should be symptomatic and supportive.

Ingestion

None under normal use. Get medical attention if symptoms occur.

Notes to Physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammable Properties

Extremely flammable.

Suitable Extinguishing Media

Dry chemical or CO₂. Water spray or fog. DO NOT EXTINGUISH A LEAKING GAS FIRE UNLESS LEAK CAN BE STOPPED.

Hazardous Combustion Products

Carbon monoxide. Carbon dioxide (CO₂).

Explosion Data

Sensitivity to Mechanical Impact

None

Sensitivity to Static Discharge

Yes.

Specific Hazards Arising from the Chemical

May form explosive mixtures with air. Continue to cool fire exposed cylinders until flames are extinguished. Cylinders may rupture under extreme heat. Damaged cylinders should be handled only by specialists. Vapors from liquefied gas are initially heavier than air and spread along ground. Vapors may travel to source of ignition and flash back.

Protective Equipment and Precautions for Firefighters

If possible, stop the flow of gas. Do not extinguish the fire until supply is shut off as otherwise an explosive-ignition may occur. If the fire is extinguished and the flow of gas continues, use increased ventilation to prevent build-up of explosive atmosphere. Ventilation fans must be explosion proof. Use non-sparking tools to close container valves.

Use water spray to cool surrounding containers. Be cautious of a Boiling Liquid Evaporating Vapor Explosion, BLEVE, if flame is impinging on surrounding containers.

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk. Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe. Monitor oxygen level.

Environmental Precautions

Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material. Prevent spreading of vapors through sewers, ventilation systems and confined areas.

Methods for Containment

Stop the flow of gas or remove cylinder to outdoor location if this can be done without risk. If leak is in container or container valve, contact the appropriate emergency telephone number in Section 1 or call your closest Linde location.

Methods for Cleaning Up

Return cylinder to Linde or an authorized distributor.
7. HANDLING AND STORAGE

Handling

Ground and bond all lines and equipment associated with product system. All equipment should be non-sparking and explosion proof. Remove all sources of ignition. Use only in ventilated areas. "NO SMOKING" signs should be posted in storage and use areas.

Never attempt to lift a cylinder by its valve protection cap. Protect cylinders from physical damage; do not drag, roll, slide or drop. When moving cylinders, even for short distance, use a cart designed to transport cylinders. Use equipment rated for cylinder pressure. Use backflow preventive device in piping.

Use an adjustable strap wrench to remove over-tight or rusted caps. Never insert an object (e.g. wrench, screwdriver, pry bar, etc.) into valve cap openings. Doing so may damage valve, causing leak to occur. If user experiences any difficulty operating cylinder valve discontinue use and contact supplier.

Never put cylinders into trunks of cars or unventilated areas of passenger vehicles. Never attempt to refill a compressed gas cylinder without the owner’s written consent. Never strike an arc on a compressed gas cylinder or make a cylinder a part of an electrical circuit.

For additional recommendations, consult Compressed Gas Association Pamphlets P-1, P-14, and Safety Bulletin SB-2.

Storage

Outside or detached storage is preferred. Protect from physical damage. Cylinders should be stored upright with valve protection cap in place and firmly secured to prevent falling. Store in cool, dry, well-ventilated area of non-combustible construction away from heavily trafficked areas and emergency exits. Keep at temperatures below 52°C / 125°F. Full and empty cylinders should be segregated. Use a “first in-first out” inventory system to prevent full cylinders from being stored for excessive periods of time. Always store and handle compressed gas cylinders in accordance with Compressed Gas Association, pamphlet CGA-P1, Safe Handling of Compressed Gases in Containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines
**Other Exposure Guidelines**

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Engineering Measures**

Showers. Eyewash stations. Explosion proof ventilation systems.

**Ventilation**

Use ventilation adequate to keep exposures below recommended exposure limits.

**Personal Protective Equipment**

**Eye/Face Protection**

Wear protective eyewear (safety glasses).

**Skin and Body Protection**

Work gloves and safety shoes are recommended when handling cylinders. Wear cold insulating gloves when handling liquid. Cotton or Nomex® clothing is recommended to prevent static build-up.

**Respiratory Protection**

**General Use**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Emergency Use**

Use positive pressure airline respirator with escape cylinder or self contained breathing apparatus for oxygen-deficient atmospheres (<19.5%).

**Hygiene Measures**

Wear suitable gloves and eye/face protection.

---

**Isopentane**

- **ACGIH TLV**: TWA: 600 ppm
- **OSHA PEL**: TWA: 500 ppm
- **NIOSH IDLH**: TWA: 40000 ppm
  
**Carbon dioxide**

- **ACGIH TLV**: STEL = 30000 ppm
  TWA: 5000 ppm
  (vacated) TWA: 10000 ppm
  TWA: 9000 mg/m³
  (vacated) TWA: 30000 ppm
  (vacated) STEL: 54000 mg/m³
- **OSHA PEL**: TWA: 5000 ppm
  TWA: 9000 mg/m³
  (vacated) TWA: 30000 ppm
  STEL: 54000 mg/m³
- **NIOSH IDLH**: 40000 ppm

**N-Butane**

- **ACGIH TLV**: TWA: 1000 ppm
  (vacated) TWA: 800 ppm
  (vacated) TWA: 1900 mg/m³
- **OSHA PEL**: TWA: 800 ppm
  TWA: 1900 mg/m³
- **NIOSH IDLH**: 1500 ppm

**Pentane**

- **ACGIH TLV**: TWA: 600 ppm
- **OSHA PEL**: TWA: 1000 ppm
  TWA: 2950 mg/m³
  (vacated) TWA: 600 ppm
  (vacated) TWA: 1800 mg/m³
  (vacated) STEL: 750 ppm
  (vacated) STEL: 2250 mg/m³
- **NIOSH IDLH**: 1500 ppm

**Methane**

- **ACGIH TLV**: TWA: 1000 ppm
- **OSHA PEL**: TWA: 1000 ppm
- **NIOSH IDLH**: 2100 ppm

**Ethane**

- **ACGIH TLV**: TWA: 1000 ppm
- **OSHA PEL**: TWA: 1000 ppm
- **NIOSH IDLH**: 350 mg/m³

**Propane**

- **ACGIH TLV**: TWA: 1000 ppm
- **OSHA PEL**: TWA: 1000 ppm
- **NIOSH IDLH**: 1800 mg/m³

**Isobutane**

- **ACGIH TLV**: TWA: 1000 ppm
- **OSHA PEL**: N/A
- **NIOSH IDLH**: N/A
9. PHYSICAL AND CHEMICAL PROPERTIES

Product Information

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Colorless.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor Threshold</td>
<td>No information available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>-306°F / -188°C</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>580°C / 1076°F</td>
</tr>
</tbody>
</table>

The following information is for the NON-INERT components of this mixture:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Boiling Point</th>
<th>Melting Point</th>
<th>Molecular Weight</th>
<th>Evaporation Rate</th>
<th>Water Solubility</th>
<th>Vapor Pressure</th>
<th>Vapor Density (Air=1)</th>
<th>Gas Density Kg/m³@20°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopentane</td>
<td>28 °C</td>
<td>-160 °C</td>
<td>72.14</td>
<td>-</td>
<td>No information available</td>
<td>0.56</td>
<td>0.668 @15°C</td>
<td>3.228 @15°C</td>
</tr>
<tr>
<td>Carbon dioxide</td>
<td>56 °C</td>
<td>-56 °C</td>
<td>44.00</td>
<td>-</td>
<td>0.145 g/ml @ 25°C</td>
<td>838 psig (5778 kPa) @ 21.1°C</td>
<td>1.522</td>
<td>1.839</td>
</tr>
<tr>
<td>Pentane</td>
<td>36°C</td>
<td>-50°C</td>
<td>72.14</td>
<td>No information available</td>
<td>1100 hPa @ 38 °C</td>
<td>2.5</td>
<td>3.228 @15°C</td>
<td></td>
</tr>
<tr>
<td>N-Butane</td>
<td>-0.5 °C</td>
<td>-138.3 °C</td>
<td>58.12</td>
<td>-</td>
<td>No information available</td>
<td>2200 hPa @ 20 °C</td>
<td>2.11</td>
<td>2.52 @15°C</td>
</tr>
<tr>
<td>Methane</td>
<td>-162 °C</td>
<td>-182.5 °C</td>
<td>16.04</td>
<td>-</td>
<td>No information available</td>
<td>46700 hPa @ -82.5 °C</td>
<td>0.56</td>
<td>0.668 @15°C</td>
</tr>
<tr>
<td>Ethane</td>
<td>-88.7 °C</td>
<td>-183 &lt;-20 °C</td>
<td>30.06</td>
<td>-</td>
<td>No information available</td>
<td>600 - 39000 hPa @ 20 °C</td>
<td>1.05</td>
<td>1.282 @15°C</td>
</tr>
<tr>
<td>Propane</td>
<td>-42.1 °C</td>
<td>-183 &lt;-20 °C</td>
<td>44.09</td>
<td>-</td>
<td>No information available</td>
<td>600 - 39000 hPa @ 20 °C</td>
<td>1.55</td>
<td>1.99 @15°C</td>
</tr>
<tr>
<td>Isobutane</td>
<td>-11.7 °C</td>
<td>-255 °C</td>
<td>58.12</td>
<td>-</td>
<td>No information available</td>
<td>2100 hPa @ 20 °C</td>
<td>2.06</td>
<td>2.51 @15°C</td>
</tr>
</tbody>
</table>

The following information is for the INERT components that may be part of this mixture:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Boiling Point</th>
<th>Melting Point</th>
<th>Molecular Weight</th>
<th>Evaporation Rate</th>
<th>Water Solubility</th>
<th>Vapor Pressure</th>
<th>Vapor Density (Air=1)</th>
<th>Gas Density Kg/m³@20°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Helium</td>
<td>-268.94 °C</td>
<td>-272.0 °C</td>
<td>4.00</td>
<td>-</td>
<td>0.0089 (vol/vol @ 20°C and 1 atm)</td>
<td>Above critical temperature</td>
<td>0.138</td>
<td>0.166</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>-196 °C</td>
<td>-210 °C</td>
<td>28.01</td>
<td>-</td>
<td>0.023 (vol/vol @ 20°C and 1 atm)</td>
<td>Above critical temperature</td>
<td>0.97</td>
<td>1.165</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Stability Stable.

Incompatible Products Oxidizing agents.

Conditions to Avoid Heat, flames and sparks.

Hazardous Decomposition Products Carbon monoxide (CO). Carbon dioxide (CO₂).

Hazardous Polymerization Hazardous polymerization does not occur.

11. TOXICOCLOGICAL INFORMATION

Acute Toxicity

Product Information
LD50 Oral: No information available.
LD50 Dermal: No information available.
LC50 Inhalation: No information available.
Repeated Dose Toxicity: No information available.

Component Information: No information available.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane</td>
<td></td>
<td>-</td>
<td>= 658 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>Ethane</td>
<td></td>
<td>= 658 mg/L (Rat) 4 h</td>
<td>= 658 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>N-Butane</td>
<td></td>
<td>658 mg/L (Rat) 4 h</td>
<td>= 658 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>Isobutane</td>
<td></td>
<td>= 658 mg/L (Rat) 4 h</td>
<td>= 658 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>Isopentane</td>
<td>&gt; 2000 mg/kg (Rat)</td>
<td>= 3000 mg/kg (Rabbit)</td>
<td>= 364 g/m³ (Rat) 4 h</td>
</tr>
<tr>
<td>Pentane</td>
<td>&gt; 2000 mg/kg (Rat)</td>
<td>= 3000 mg/kg (Rabbit)</td>
<td>= 364 g/m³ (Rat) 4 h</td>
</tr>
<tr>
<td>Carbon dioxide</td>
<td></td>
<td></td>
<td>470000 ppm (Rat)</td>
</tr>
</tbody>
</table>

Chronic Toxicity
None known.

Carcinogenicity
Contains no ingredient listed as a carcinogen.

Irritation
No information available.

Sensitization
No information available.

Reproductive Toxicity
No information available.

Developmental Toxicity
Oxygen deficiency during pregnancy has produced developmental abnormalities in humans and experimental animals.

Synergistic Materials
None known.

Target Organ Effects
None known.

12. ECOLOGICAL INFORMATION

Ecotoxicity
Will not bioconcentrate.

Ozone depletion potential, ODP; (R-11 = 1): Does not contain ozone depleting chemical (40 CFR Part 82).

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to Algae</th>
<th>Toxicity to Fish</th>
<th>Toxicity to Microorganisms</th>
<th>Daphnia Magna (Water Flea)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopentane</td>
<td></td>
<td></td>
<td></td>
<td>EC50 48 h: = 2.3 mg/L (Daphnia magna)</td>
</tr>
<tr>
<td>Chemical Name</td>
<td>Toxicity to Algae</td>
<td>Toxicity to Fish</td>
<td>Toxicity to Microorganisms</td>
<td>Daphnia Magna (Water Flea)</td>
</tr>
<tr>
<td>----------------</td>
<td>-----------------------------------</td>
<td>-----------------------------------</td>
<td>---------------------------</td>
<td>---------------------------</td>
</tr>
<tr>
<td>Pentane</td>
<td>LC50 96 h: = 11.59 mg/L (Pimephales promelas)</td>
<td>LC50 96 h: = 9.87 mg/L (Oncorhynchus mykiss)</td>
<td>LC50 96 h: = 9.99 mg/L (Lepomis macrochirus)</td>
<td>EC50 48 h: = 9.74 mg/L (Daphnia magna)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopentane</td>
<td>3.3</td>
</tr>
<tr>
<td>N-Butane</td>
<td>2.89</td>
</tr>
<tr>
<td>Pentane</td>
<td>3.39</td>
</tr>
<tr>
<td>Ethane</td>
<td>2.8</td>
</tr>
<tr>
<td>Propane</td>
<td>2.3</td>
</tr>
<tr>
<td>Isobutane</td>
<td>2.88</td>
</tr>
</tbody>
</table>

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods

Do not attempt to dispose of residual waste or unused quantities. Return in the shipping container PROPERLY LABELED WITH ANY VALVE OUTLET PLUGS OR CAPS SECURED AND VALVE PROTECTION CAP IN PLACE to Linde for proper disposal. This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

14. TRANSPORT INFORMATION

**DOT**

Proper shipping name: Methane, refrigerated liquid
Hazard Class: 2.1
Subsidiary Class: None
UN-Number: UN1972
Description: UN1972, Methane, refrigerated liquid, 2.1
Emergency Response Guide Number: 115

**TDG**

Proper Shipping Name: Methane, refrigerated liquid
Hazard Class: 2.1
UN-Number: UN1972
Description: UN1972, METHANE, REFRIGERATED LIQUID, 2.1

**MEX**

Proper Shipping Name: Methane, refrigerated liquid
Hazard Class: 2.1
UN-Number: UN1972
Description: UN1972 Methane, refrigerated liquid, 2.1

**IATA**

UN-Number: UN1972
Proper Shipping Name: Natural gas, refrigerated liquid
Hazard Class: 2.1
ERG Code: 10L
Description
Maximum Quantity for Passenger
Maximum Quantity for Cargo Only
Limited Quantity

UN1972, Natural gas, refrigerated liquid, 2.1
Forbidden
Forbidden
Forbidden

IMDG/IMO

Proper Shipping Name
Methane, refrigerated liquid
Hazard Class
2.1
UN-Number
UN1972
EmS No.
F-D, S-U
Description
UN1972, Methane, refrigerated liquid, 2.1, FP -188C

15. REGULATORY INFORMATION

International Inventories

TSCA  Complies
DSL  Complies
EINECS/ELINCS  Complies

Legend
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL / NDSL - Canadian Domestic Substances List / Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances / EU List of Notified Chemical Substances

U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard  Yes
Chronic Health Hazard  No
Fire Hazard  Yes
Sudden Release of Pressure Hazard  Yes
Reactive Hazard  No

Clean Water Act
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Risk and Process Safety Management Programs
This material, as supplied, contains one or more regulated substances with specified thresholds under 40 CFR Part 68 or regulated as a highly hazardous chemical pursuant to the 29 CFR Part 1910.110 with specified thresholds:
Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

CERCLA/SARA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Massachusetts</th>
<th>New Jersey</th>
<th>Pennsylvania</th>
<th>Illinois</th>
<th>Rhode Island</th>
</tr>
</thead>
<tbody>
<tr>
<td>Helium</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>X</td>
</tr>
<tr>
<td>Isopentane</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>X</td>
</tr>
<tr>
<td>Carbon dioxide</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>X</td>
</tr>
<tr>
<td>N-Butane</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Pentane</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
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</tr>
<tr>
<td>Methane</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Ethane</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Propane</td>
<td>X</td>
<td>X</td>
<td>X</td>
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</tr>
<tr>
<td>Isobutane</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>X</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>X</td>
<td>X</td>
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International Regulations

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<tr>
<th>Chemical Name</th>
<th>Carcinogen Status</th>
<th>Exposure Limits</th>
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</table>
| Carbon dioxide| -                 | Mexico: TWA= 5000 ppm  
          |                   | Mexico: STEL= 15000 ppm  
          |                   | Mexico: TWA= 9000 mg/m³  
          |                   | Mexico: STEL= 27000 mg/m³  |
| N-Butane      |                   | Mexico: TWA= 800 ppm  
          |                   | Mexico: TWA= 1800 mg/m³  
          |                   | Mexico: STEL= 760 ppm  
          |                   | Mexico: STEL= 2250 mg/m³  |
| Pentane       |                   | Mexico: TWA= 600 ppm  
          |                   | Mexico: TWA= 1900 mg/m³  
          |                   | Mexico: STEL= 760 ppm  
          |                   | Mexico: STEL= 2250 mg/m³  |

Canada
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class
A Compressed gases
B1 Flammable gas

16. OTHER INFORMATION

Prepared By: Product Stewardship
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

Issuing Date: 22-Sep-2011

Revision Date
Revision Number: 0
Revision Note: Initial Release.

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<th>NFPA</th>
<th>Health Hazard</th>
<th>Flammability</th>
<th>Stability</th>
<th>Physical and Chemical Hazards</th>
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<table>
<thead>
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<th>HMIS</th>
<th>Health Hazard</th>
<th>Flammability</th>
<th>Physical Hazard</th>
<th>Personal Protection</th>
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Note: Ratings were assigned in accordance with Compressed Gas Association (CGA) guidelines as published in CGA Pamphlet P-19-2009, CGA Recommended Hazard Ratings for Compressed Gases, 3rd Edition.

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End of Safety Data Sheet