1. PRODUCT AND COMPANY IDENTIFICATION

   **Product Name**   FLUORINE
   **Product Code(s)**   G-34, 1011
   **UN-Number**   UN1045
   **Recommended Use**   Compressed gas.
   **Synonyms**   Fluorine, Compressed
   **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.

   **Chemical Emergency Phone Number** Chemtrec: 1-800-424-9300 for US/ 703-527-3887 outside US

2. HAZARDS IDENTIFICATION

   **DANGER!**

   **Emergency Overview**

   Oxidizer
   Fatal if inhaled
   The product causes burns of eyes, skin and mucous membranes
   Water reactive
   Accelerates combustion and increases risk of fire
   Contents under pressure
   Keep at temperatures below 52°C / 125°F

   **Appearance** Pale yellow
   **Physical State** Compressed gas.
   **Odor** Choking effect
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
Eye contact. Skin contact. Inhalation.

Acute Toxicity

Inhalation
Fatal if inhaled. Inhalation of corrosive fumes/ gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate. Delayed pulmonary edema may occur.

Eyes
Corrosive to the eyes and may cause severe damage including blindness.

Skin
Causes burns. Hydrolyzes very rapidly yielding hydrofluoric acid. Toxic level exposure to dermal tissue causes hydrofluoric acid burns and skin lesions resulting in early necrosis and eventual scarring. Symptoms may be delayed.

Skin Absorption Hazard
No known hazard in contact with skin.

Ingestion
Not an expected route of exposure. Ingestion causes burns of the upper digestive and respiratory tract.

Chronic Effects
Extended low level systemic absorption of fluorides may cause fluorosis, an abnormal calcification pattern of the skeletal system

Aggravated Medical Conditions
Skin disorders. Pre-existing eye disorders. 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>Fluorine</td>
<td>7782-41-4</td>
<td>&gt;99</td>
<td>F₂</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

General Advice
Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

Eye Contact
Immediate medical attention is required. In case of contact with substance, immediately flush eyes with running water for at least 30 minutes. Keep eye wide open while rinsing.

Skin Contact
Immediate medical attention is required. Wash off immediately with soap and plenty of water for at least 30 minutes while removing all contaminated clothing and shoes. Dermal burns may be treated with calcium gluconate gel or slurry in water or glycerine. This compound binds the active fluorides in an insoluble form and limits burn extension and pain.

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

Not an expected route of exposure. Immediate medical attention is required. Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.

Notes to Physician

For dermal exposure, the use of 2.5-33% calcium gluconate or carbonate gel or slurry has been recommended. The gel is either placed into a surgical glove into which the affected extremity is then placed or applied directly on the burn. This compound binds with the active fluorides in an insoluble form and limits burn extension and pain. Calcium chloride should not be used. Delayed pulmonary edema may occur.

Protection of First-aiders

Use personal protective equipment. Avoid contact with skin, eyes and clothing.

5. FIRE-FIGHTING MEASURES

Flammable Properties

Oxidizer. May vigorously accelerate combustion.

Suitable Extinguishing Media

DO NOT EXTINGUISH A LEAKING GAS FIRE UNLESS LEAK CAN BE STOPPED. It may be safer to allow the fire to burn itself out. Use water spray to knock down vapors and cool fire-exposed containers.

Hazardous Combustion Products

Hydrogen fluoride. Oxygen difluoride

Explosion Data

Sensitivity to Mechanical Impact

None

Sensitivity to Static Discharge

None

Specific Hazards Arising from the Chemical

This is a strong oxidizer and will react vigorously or explosively with many materials including fuels. Will ignite combustible materials (wood, paper, oil, debris, etc.). Continue to cool fire exposed cylinders until flames are extinguished. Cylinders may rupture under extreme heat. Damaged cylinders should be handled only by specialists.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/ NIOSH (approved or equivalent) and full protective gear. Corrosive hazard. Wear protective gloves/ clothing and eye/ face protection. Do not get water inside containers. For massive fire, use unmanned hose holders or monitor nozzles.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Evacuate personnel to safe areas. Keep people away from and upwind of spill/ leak. Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing.

Environmental Precautions

Prevent spreading of vapors through sewers, ventilation systems and confined areas. Should not be released into the environment.

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

Most metals form a passive fluoride film with low pressure fluorine that protects the metals from further corrosion. The reaction with metals and fluorine is relatively slow at room temperature, but becomes vigorous and self-sustaining if the temperature is elevated. Monel® and nickel are preferred for high temperature applications. Teflon® is the preferred gasket material.

Keep equipment scrupulously dry. Many of the metal fluorides are water soluble so that the passive film corrosion protection may be destroyed if wetted with water. Process valves should be opened and closed with remote controlled extensions passing through a suitable barricade for additional protection. Double valving should be employed to facilitate the reduction in pressure from high pressure sources of fluorine.

Use only in ventilated 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. Never insert an object (e.g. wrench, screwdriver, pry bar, etc.) into valve cap openings. Doing so may damage valve, causing leak to occur. "NO SMOKING" signs should be posted in storage and use areas.

Use an adjustable strap wrench to remove over-tight or rusted caps. Close valve after each use and when empty. 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.

Storage

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. Outside or detached storage is preferred.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluorine</td>
<td>STEL: 2 ppm, TWA: 1 ppm</td>
<td>TWA: 0.1 ppm, TWA: 0.2 mg/ m³ (vacated) TWA: 0.1 ppm (vacated) TWA: 0.2 mg/ m³</td>
<td>IDLH: 25 ppm, TWA: 0.1 ppm, TWA: 0.2 mg/ m³</td>
</tr>
</tbody>
</table>
Immediately Dangerous to Life or Health.

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. Ventilation systems. Exhaust gas should be vented to a gas treatment system.

Ventilation
Use ventilation adequate to keep exposures below recommended exposure limits.

Personal Protective Equipment

Eye/ Face Protection
Tightly fitting safety goggles. Face-shield.

Skin and Body Protection
Appropriate protective and chemical resistant gloves, clothing and splash protection, or fully encapsulating vapor protective clothing to prevent exposure. For materials of construction consult protective clothing manufacturer’s specifications. (Teflon® is generally effective for exposures longer than 4 hours).

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 air line respirator or self-contained breathing apparatus for exposure over exposure limits or emergency use. For exposures above IDLH, an additional escape bottle is required.

Hygiene Measures
Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Contaminated work clothing should not be allowed out of the workplace. When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. Provide regular cleaning of equipment, work area and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Pale yellow</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>(unspecified): 0.097-0.19 ppm</td>
</tr>
<tr>
<td>Flash Point</td>
<td>No information available.</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>-219.7 °C / -363.5 °F</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>Above critical temp.</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Reacts with water</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>@ 21.1°C (70°F): 0.106 lb./ ft³ (1.70 kg/ m³)</td>
</tr>
<tr>
<td>Gas Density</td>
<td>10.17 lb³ / ft (0.635 m³ / kg)</td>
</tr>
<tr>
<td>Specific Vol. @ 21.1°C &amp; 1 atm</td>
<td>756.4 psia (5215 kPa abs)</td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td>Choking effect.</td>
</tr>
<tr>
<td>Upper</td>
<td>Compressed gas</td>
</tr>
<tr>
<td>Lower</td>
<td>No information available.</td>
</tr>
<tr>
<td>Lower</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>38.00</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>-188.1 °C / -306.6 °F</td>
</tr>
<tr>
<td>Boiling Point/ Boiling Range</td>
<td>1.31 (air = 1)</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>VOC Content (%)</td>
<td></td>
</tr>
<tr>
<td>Critical Pressure</td>
<td></td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Stability
Strong oxidizer. Contact with other material may cause fire.
Incompatible Products
Fluorine is the most powerful oxidizer known. It reacts with virtually all organic and inorganic substances, except some inert gases, perfluorinated hydrocarbons and some metals which have been "passivated". Combustible materials.

Conditions to Avoid
Reacts with water to form hydrogen fluoride and oxygen. Heat, flames and sparks.

Hazardous Decomposition Products
Hydrogen fluoride. Oxygen difluoride.

Hazardous Polymerization
Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity
LD50 Oral: No information available.
LD50 Dermal: No information available.
LC50 Inhalation: Per CGA P-20: LC50: 185 ppm/1 hr. (Rat)
Inhalation Mice exposed to sublethal concentrations (LC50: 150 ppm/1 hr.) of fluorine experienced pulmonary irritation and delayed focal necrosis of the liver and kidney.
Repeated Dose Toxicity No information available.

Chronic Toxicity
Chronic Toxicity Extended low level systemic absorption of fluorides may cause fluorosis, an abnormal calcification pattern of the skeletal system.
Carcinogenicity Contains no ingredient listed as a carcinogen.

Irritation No information available.
Sensitization No information available.
Reproductive Toxicity No information available.
Developmental Toxicity No information available.
Synergistic Materials None known.

12. ECOLOGICAL INFORMATION

Ecotoxicity
The environmental impact of this product has not been fully investigated.

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

Contaminated Packaging
Do not re-use empty containers.

14. TRANSPORT INFORMATION

**DOT**

<table>
<thead>
<tr>
<th>Proper shipping name</th>
<th>Fluorine, compressed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard Class</td>
<td>2.3</td>
</tr>
<tr>
<td>Subsidiary Class</td>
<td>(5.1), (8)</td>
</tr>
<tr>
<td>UN-Number</td>
<td>UN1045</td>
</tr>
<tr>
<td>Description</td>
<td>This material is toxic by inhalation in Hazard Zone A.</td>
</tr>
<tr>
<td>Special Provisions</td>
<td>UN1045, Fluorine, compressed, 2.3, (5.1), (8)</td>
</tr>
<tr>
<td>Additional Description:</td>
<td>&quot;Toxic-Inhalation Hazard Zone A&quot;. If net weight of product is greater than or equal to 10 lbs., the shipping description must also contain the letters &quot;RQ&quot;.</td>
</tr>
</tbody>
</table>

**TDG**

<table>
<thead>
<tr>
<th>Proper Shipping Name</th>
<th>Fluorine, compressed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard Class</td>
<td>2.3</td>
</tr>
<tr>
<td>Subsidiary Class</td>
<td>(5.1), (8)</td>
</tr>
<tr>
<td>UN-Number</td>
<td>UN1045</td>
</tr>
<tr>
<td>Description</td>
<td>UN1045, FLUORINE, COMPRESSED, 2.3(5.1), (8)</td>
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**MEX**

<table>
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<th>Proper Shipping Name</th>
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<tbody>
<tr>
<td>Hazard Class</td>
<td>2.3</td>
</tr>
<tr>
<td>Subsidiary Class</td>
<td>(5.1), (8)</td>
</tr>
<tr>
<td>UN-Number</td>
<td>UN1045</td>
</tr>
<tr>
<td>Description</td>
<td>UN1045 Fluorine, compressed, 2.3</td>
</tr>
</tbody>
</table>

**IATA**

<table>
<thead>
<tr>
<th>UN-Number</th>
<th>UN1045</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proper Shipping Name</td>
<td>Fluorine, compressed</td>
</tr>
<tr>
<td>Hazard Class</td>
<td>2.3</td>
</tr>
<tr>
<td>Subsidiary Class</td>
<td>(5.1), (8)</td>
</tr>
<tr>
<td>ERG Code</td>
<td>2PX</td>
</tr>
<tr>
<td>Description</td>
<td>UN1045, Fluorine, compressed, 2.3(5.1), (8)</td>
</tr>
<tr>
<td>Maximum Quantity for Passenger</td>
<td>Forbidden</td>
</tr>
<tr>
<td>Maximum Quantity for Cargo Only</td>
<td>Forbidden</td>
</tr>
<tr>
<td>Limited Quantity</td>
<td>No information available.</td>
</tr>
</tbody>
</table>

**IMDG/IMO**

<table>
<thead>
<tr>
<th>Proper Shipping Name</th>
<th>Fluorine, compressed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard Class</td>
<td>2.3</td>
</tr>
</tbody>
</table>
Subsidiary Class: 5.1, 8  
UN-Number: UN1045  
EmS No.: F-C, S-W  
Description: UN1045, Fluorine, compressed, 2.3 (5.1, 8)

ADR

Proper Shipping Name: Fluorine, compressed  
Hazard Class: 2.3  
UN-Number: UN1045  
Classification Code: 1TOC  
Description: UN1045 Fluorine, compressed, 2.3,  
ADR/ Rid-Labels: 5.1, 8

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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluorine</td>
<td>7782-41-4</td>
<td>1.0</td>
</tr>
</tbody>
</table>

SARA 311/ 312 Hazard Categories

- Acute Health Hazard: Yes  
- Chronic Health Hazard: Yes  
- Fire Hazard: Yes  
- Sudden Release of Pressure Hazard: Yes  
- Reactive Hazard: Yes

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:
FLUORINE, Material Safety Data Sheet, Revision Date 20-Sep-2013, Page 9/10

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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, contains one or more 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):

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Hazardous Substances RQs</th>
<th>Extremely Hazardous Substances RQs</th>
<th>TPQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluorine</td>
<td>10 lb</td>
<td>10 lb</td>
<td>500 lb TPQ</td>
</tr>
</tbody>
</table>

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>Fluorine</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

International Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Carcinogen Status</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluorine</td>
<td></td>
<td>Mexico: TWA 1 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mexico: TWA 2 mg/ m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mexico: STEL 2 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mexico: STEL 4 mg/ m³</td>
</tr>
</tbody>
</table>

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
E  Corrosive material
D1A Very toxic materials
F  Dangerously reactive material

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>NPRI</th>
</tr>
</thead>
</table>
**Legend**

NPRI - National Pollutant Release Inventory

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

**Issuing Date**
02-Apr-2010

**Revision Date**
20-Sep-2013

**Revision Number**
3

**Revision Note**
(M)SDS sections updated. 15.

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazard</th>
<th>Flammability</th>
<th>Stability</th>
<th>Physical and Chemical Hazards</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>4</td>
<td>0</td>
<td>4</td>
<td>W2 OX</td>
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</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazard</th>
<th>Flammability</th>
<th>Physical Hazard</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3</td>
<td>0</td>
<td>3</td>
<td>-</td>
</tr>
</tbody>
</table>

**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.

**General Disclaimer**

For terms and conditions, including limitation of liability, please refer to the purchase agreement in effect between Linde LLC, Linde Merchant Production, Inc. or Linde Gas North America LLC (or any of their affiliates and subsidiaries) and the purchaser.

**DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES**

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

**End of Safety Data Sheet**