**SECTION: 1. Product and company identification**

**1.1. Product identifier**

Product form: Mixture

Other means of identification: Nonflammable mixture of Butane, Ethane, Isobutane, Isopentane, methane, Pentane, Propane and Nitrogen.

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Use of the substance/mixture: Industrial use. Use as directed.

**1.3. Details of the supplier of the safety data sheet**

Praxair, Inc.
39 Old Ridgebury Road
Danbury, CT 06810-5113 - USA
T 1-800-772-9247 (1-800-PRAXAIR) - F 1-716-879-2146
www.praxair.com

**1.4. Emergency telephone number**

Emergency number: Onsite Emergency: 1-800-645-4633

CHEMTREC, 24hr/day 7days/week — Within USA: 1-800-424-9300, Outside USA: 001-703-527-3887 (collect calls accepted, Contract 17729)

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

Classification (GHS-US)
Compressed gas H280

**2.2. Label elements**

GHS-US labeling

Hazard pictograms (GHS-US): GHS04

Signal word (GHS-US): WARNING

Hazard statements (GHS-US): H280 - CONTAINS GAS UNDER PRESSURE; MAY EXPLODE IF HEATED

Precautionary statements (GHS-US): CGA-PG02 - Protect from sunlight when ambient temperature exceeds 52°C (125°F). P271+P403 - Use and store only outdoors or in a well-ventilated place.

**2.3. Other hazards**

Other hazards not contributing to the classification: Asphyxiant in high concentrations.

**2.4. Unknown acute toxicity (GHS-US)**

No data available

**SECTION 3: Composition/information on ingredients**

**3.1. Substance**

Not applicable

**3.2. Mixture**

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**First-aid measures after inhalation**: Immediately remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, qualified personnel may give oxygen. Call a physician.

**First-aid measures after skin contact**: Adverse effects not expected from this product.

**First-aid measures after eye contact**: Immediately flush eyes thoroughly with water for at least 15 minutes. Hold the eyelids open and away from the eyeballs to ensure that all surfaces are flushed thoroughly. Contact an ophthalmologist immediately.

**First-aid measures after ingestion**: Ingestion is not considered a potential route of exposure.

#### 4.2. Most important symptoms and effects, both acute and delayed

No additional information available.

#### 4.3. Indication of any immediate medical attention and special treatment needed

None.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media**: Use extinguishing media appropriate for surrounding fire.

#### 5.2. Special hazards arising from the substance or mixture

**Reactivity**: No reactivity hazard other than the effects described in sub-sections below.

#### 5.3. Advice for firefighters

**Firefighting instructions**: Evacuate all personnel from the danger area. Use self-contained breathing apparatus (SCBA) and protective clothing. Immediately cool containers with water from maximum distance. Stop flow of gas if safe to do so, while continuing cooling water spray. Remove ignition sources if safe to do so. Remove containers from area of fire if safe to do so. On-site fire brigades must comply with OSHA 29 CFR 1910.156 and applicable standards under 29 CFR 1910 Subpart L—Fire Protection.

**Protection during firefighting**: Compressed gas: asphyxiant. Suffocation hazard by lack of oxygen.

**Special protective equipment for fire fighters**: Standard protective clothing and equipment (Self Contained Breathing Apparatus) for fire fighters.

**Specific methods**: Use fire control measures appropriate for the surrounding fire. Exposure to fire and heat radiation may cause gas containers to rupture. Cool endangered containers with water spray jet from a protected position. Prevent water used in emergency cases from entering sewers and drainage systems.

Stop flow of product if safe to do so.

Use water spray or fog to knock down fire fumes if possible.
NI - Butane, Ethane, Isobutane, Isopentane, Methane, Pentane, Propane (Non-flammable range)
Safety Data Sheet P-18-1951
Date of issue: 03/05/2015

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel
No additional information available

6.1.2. For emergency responders
No additional information available

6.2. Environmental precautions
Prevent waste from contaminating the surrounding environment. Prevent soil and water pollution. Dispose of contents/container in accordance with local/regional/national/international regulations. Contact supplier for any special requirements.

6.3. Methods and material for containment and cleaning up
No additional information available

6.4. Reference to other sections
See also sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling: Wear leather safety gloves and safety shoes when handling cylinders. Protect cylinders from physical damage; do not drag, roll, slide or drop. While moving cylinder, always keep in place removable valve cover. Never attempt to lift a cylinder by its cap; the cap is intended solely to protect the valve. When moving cylinders, even for short distances, use a cart (trolley, hand truck, etc.) designed to transport cylinders. Never insert an object (e.g., wrench, screwdriver, pry bar) into cap openings; doing so may damage the valve and cause a leak. Use an adjustable strap wrench to remove over-tight or rusted caps. Slowly open the valve. If the valve is hard to open, discontinue use and contact your supplier. Close the container valve after each use; keep closed even when empty. Never apply flame or localized heat directly to any part of the container. High temperatures may damage the container and could cause the pressure relief device to fail prematurely, venting the container contents. For other precautions in using this product, see section 16.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Store in a cool, well-ventilated place. Store and use with adequate ventilation. Store only where temperature will not exceed 125°F (52°C). Firmly secure containers upright to keep them from falling or being knocked over. Install valve protection cap, if provided, firmly in place by hand. Store full and empty containers separately. Use a first-in, first-out inventory system to prevent storing full containers for long periods.

OTHER PRECAUTIONS FOR HANDLING, STORAGE, AND USE: When handling product under pressure, use piping and equipment adequately designed to withstand the pressures to be encountered. Never work on a pressurized system. Use a back flow preventive device in the piping. Gases can cause rapid suffocation because of oxygen deficiency; store and use with adequate ventilation. If a leak occurs, close the container valve and blow down the system in a safe and environmentally correct manner in compliance with all international, federal/national, state/provincial, and local laws; then repair the leak. Never place a container where it may become part of an electrical circuit.

7.3. Specific end use(s)
None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Control parameter</th>
<th>ACGIH TLV (ppm)</th>
<th>USA OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butane n- (106-97-8)</td>
<td>1000 ppm</td>
<td>Not established</td>
</tr>
</tbody>
</table>
## Exposure controls

Appropriate engineering controls: Provide adequate general and local exhaust ventilation. Ensure exposure is below occupational exposure limits (where available).

Eye protection: Wear safety glasses when handling cylinders; vapor-proof goggles and a face shield during cylinder changeout or whenever contact with product is possible. Select eye protection in accordance with OSHA 29 CFR 1910.133.


Respiratory protection: When workplace conditions warrant respirator use, follow a respiratory protection program that meets OSHA 29 CFR 1910.134, ANSI Z88.2, or MSHA 30 CFR 72.710 (where applicable). Use an air-supplied or air-purifying cartridge if the action level is exceeded. Ensure that the respirator has the appropriate protection factor for the exposure level. If cartridge type respirators are used, the cartridge must be appropriate for the chemical exposure (e.g., organic vapor cartridge). For emergencies or instances with unknown exposure levels, use a self-contained breathing apparatus (SCBA).

Self contained breathing apparatus (SCBA) or positive pressure airline with mask are to be used in oxygen-deficient atmospheres.

Thermal hazard protection: Wear cold insulating gloves when transfilling or breaking transfer connections.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Gas</td>
</tr>
<tr>
<td>Color</td>
<td>Colorless</td>
</tr>
</tbody>
</table>

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NI - Butane, Ethane, Isobutane, Isopentane, Methane, Pentane, Propane (Non-flammable range)

Safety Data Sheet P-18-1951
Date of issue: 03/05/2015

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor</td>
<td>No data available</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (ether=1)</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Relative vapor density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>Water: No data available</td>
</tr>
<tr>
<td>Log Pow</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Log Kow</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>None.</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
No reactivity hazard other than the effects described in sub-sections below.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
No additional information available

10.4. Conditions to avoid
No additional information available

10.5. Incompatible materials
No additional information available

10.6. Hazardous decomposition products
No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity : Not classified
Butane n- (106-97-8)

LC50 inhalation rat (mg/l) 658 g/m³ (Exposure time: 4 h)
ATE US (vapors) 658.000 mg/l/4h
ATE US (dust, mist) 658.000 mg/l/4h

Ethane (74-84-0)

LC50 inhalation rat (mg/l) 658 mg/l/4h
ATE US (vapors) 658.000 mg/l/4h
ATE US (dust, mist) 658.000 mg/l/4h

Isobutane (75-28-5)

LC50 inhalation rat (mg/l) 658 mg/l/4h
ATE US (vapors) 658.000 mg/l/4h
ATE US (dust, mist) 658.000 mg/l/4h

Pentane (109-66-0)

LD50 dermal rabbit 3000 mg/kg
LC50 inhalation rat (mg/l) 364 g/m³ (Exposure time: 4 h)
ATE US (dermal) 3000.000 mg/kg body weight
ATE US (vapors) 364.000 mg/l/4h
ATE US (dust, mist) 364.000 mg/l/4h

Propane (74-99-6)

LC50 inhalation rat (mg/l) 658 mg/l/4h
ATE US (vapors) 658.000 mg/l/4h
ATE US (dust, mist) 658.000 mg/l/4h

Skin corrosion/irritation: Not classified
pH: Not applicable.

Serious eye damage/irritation: Not classified
pH: Not applicable.

Respiratory or skin sensitization: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
Specific target organ toxicity (single exposure): Not classified
Specific target organ toxicity (repeated exposure): Not classified
Aspiration hazard: Not classified

SECTION 12: Ecological information

12.1. Toxicity
Ecology - general: No known ecological damage caused by this product.

Isopentane (78-78-4)

EC50 Daphnia 1 2.3 mg/l (Exposure time: 48 h - Species: Daphnia magna)

Pentane (109-66-0)

LC50 fish 1 9.87 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1 9.74 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2 11.59 mg/l (Exposure time: 96 h - Species: Pimephales promelas)

12.2. Persistence and degradability

NI - Butane, Ethane, Isobutane, Isopentane, Methane, Pentane, Propane (Non-flammable range)

Persistence and degradability: No ecological damage caused by this product.
**NI - Butane, Ethane, Isobutane, Isopentane, Methane, Pentane, Propane (Non-flammable range)**

*Safety Data Sheet P-18-1951*


Date of issue: 03/05/2015

<table>
<thead>
<tr>
<th>Substance</th>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butane (106-97-8)</td>
<td>The substance is biodegradable. Unlikely to persist.</td>
</tr>
<tr>
<td>Ethane (74-84-0)</td>
<td>The substance is biodegradable. Unlikely to persist.</td>
</tr>
<tr>
<td>Isobutane (75-28-5)</td>
<td>The substance is biodegradable. Unlikely to persist.</td>
</tr>
<tr>
<td>Isopentane (78-78-4)</td>
<td>Not established.</td>
</tr>
<tr>
<td>Methane (74-82-8)</td>
<td>The substance is biodegradable. Unlikely to persist.</td>
</tr>
<tr>
<td>Propane (74-98-6)</td>
<td>The substance is biodegradable. Unlikely to persist.</td>
</tr>
</tbody>
</table>

#### 12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Substance</th>
<th>Log Pow</th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butane (106-97-8)</td>
<td>2.89</td>
<td>Not expected to bioaccumulate due to the low log Kow (log Kow &lt; 4). Refer to section 9.</td>
</tr>
<tr>
<td>Ethane (74-84-0)</td>
<td>1.81</td>
<td>Not expected to bioaccumulate due to the low log Kow (log Kow &lt; 4). Refer to section 9.</td>
</tr>
<tr>
<td>Isobutane (75-28-5)</td>
<td>2.76</td>
<td>Not expected to bioaccumulate due to the low log Kow (log Kow &lt; 4). Refer to section 9.</td>
</tr>
<tr>
<td>Isopentane (78-78-4)</td>
<td>3.2 - 3.3</td>
<td>Not expected to bioaccumulate due to the low log Kow (log Kow &lt; 4). Refer to section 9.</td>
</tr>
<tr>
<td>Methane (74-82-8)</td>
<td>1.09</td>
<td>Not expected to bioaccumulate due to the low log Kow (log Kow &lt; 4). Refer to section 9.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>Log Pow</th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane (74-98-6)</td>
<td>2.36</td>
<td>Not expected to bioaccumulate due to the low log Kow (log Kow &lt; 4). Refer to section 9.</td>
</tr>
<tr>
<td>Nitrogen (7727-37-9)</td>
<td></td>
<td>Not applicable for inorganic gases.</td>
</tr>
</tbody>
</table>

#### 12.4. Mobility in soil

<table>
<thead>
<tr>
<th>Substance</th>
<th>Mobility in soil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butane (106-97-8)</td>
<td>No data available.</td>
</tr>
</tbody>
</table>

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**Butane, Ethane, Isobutane, Isopentane, Methane, Pentane, Propane (Non-flammable range)**

**Safety Data Sheet P-18-1951**


Date of issue: 03/05/2015

<table>
<thead>
<tr>
<th><strong>Butane n-</strong> (106-97-8)</th>
<th>Ecology - soil</th>
<th>Because of its high volatility, the product is unlikely to cause ground or water pollution.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ethane (74-84-0)</strong></td>
<td>Ecology - soil</td>
<td>Because of its high volatility, the product is unlikely to cause ground or water pollution.</td>
</tr>
<tr>
<td><strong>Isobutane (75-28-5)</strong></td>
<td>Ecology - soil</td>
<td>Because of its high volatility, the product is unlikely to cause ground or water pollution.</td>
</tr>
<tr>
<td><strong>Methane (74-82-8)</strong></td>
<td>Ecology - soil</td>
<td>Because of its high volatility, the product is unlikely to cause ground or water pollution.</td>
</tr>
<tr>
<td><strong>Propane (74-98-6)</strong></td>
<td>Mobility in soil</td>
<td>No data available.</td>
</tr>
<tr>
<td><strong>Nitrogen (7727-37-9)</strong></td>
<td>Ecology - soil</td>
<td>Because of its high volatility, the product is unlikely to cause ground or water pollution.</td>
</tr>
</tbody>
</table>

12.5. Other adverse effects

**Effect on ozone layer**

: None.

**SECTION 13: Disposal considerations**

13.1. Waste treatment methods

Waste treatment methods

: Ensure that the emission levels from local regulations or operating permits are not exceeded.

Waste disposal recommendations

: Do not attempt to dispose of residual or unused quantities. Return container to supplier.

**SECTION 14: Transport information**

In accordance with DOT

Transport document description

: UN1956 Compressed gas, n.o.s.

UN-No.(DOT)

: UN1956

Proper Shipping Name (DOT)

: Compressed gas, n.o.s.

Hazard labels (DOT)

: 2.2 - Non-flammable gas

DOT Symbols

: G - Identifies proper shipping name (PSN) requiring the addition of technical name(s) in parentheses following the PSN.

Additional information

Other information

: No supplementary information available.

Special transport precautions

: Avoid transport on vehicles where the load space is not separated from the driver's compartment. Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency. Before transporting product containers:
- Ensure there is adequate ventilation.
- Ensure that containers are firmly secured.
- Ensure cylinder valve is closed and not leaking.
- Ensure valve outlet cap nut or plug (where provided) is correctly fitted.
- Ensure valve protection device (where provided) is correctly fitted.

Transport by sea

UN-No. (IMDG)

: 1956

Proper Shipping Name (IMDG)

: COMPRESSED GAS, N.O.S.

Class (IMDG)

: 2.2 - Non-flammable, non-toxic gases
NI - Butane, Ethane, Isobutane, Isopentane, Methane, Pentane, Propane (Non-flammable range)
Safety Data Sheet P-18-1951
Date of issue: 03/05/2015

Air transport
UN-No.(IATA) : 1956
Proper Shipping Name (IATA) : COMPRESSED GAS, N.O.S.
Class (IATA) : 2

SECTION 15: Regulatory information
15.1. US Federal regulations
Pentane (109-66-0)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
EPA TSCA Regulatory Flag
T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.

15.2. International regulations
CANADA
Butane n- (106-97-8)
Listed on the Canadian DSL (Domestic Substances List)

Ethane (74-84-0)
Listed on the Canadian DSL (Domestic Substances List)

Isobutane (75-28-5)
Listed on the Canadian DSL (Domestic Substances List)

Isopentane (78-78-4)
Listed on the Canadian DSL (Domestic Substances List)

Methane (74-82-8)
Listed on the Canadian DSL (Domestic Substances List)

Nitrogen (7727-37-9)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations
15.2.2. National regulations
No additional information available

15.3. US State regulations
<table>
<thead>
<tr>
<th>NI - Butane, Ethane, Isobutane, Isopentane, Methane, Pentane, Propane (Non-flammable range)</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. - California - Proposition 65 - Carcinogens List</td>
</tr>
<tr>
<td>U.S. - California - Proposition 65 - Developmental Toxicity</td>
</tr>
<tr>
<td>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</td>
</tr>
</tbody>
</table>

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## Butane (106-97-8)

<table>
<thead>
<tr>
<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>U.S. - California - Proposition 65 - Developmental Toxicity</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Male</th>
<th>No significance risk level (NSRL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No significance risk level (NSRL)</td>
</tr>
</tbody>
</table>

## Ethane (74-84-0)

<table>
<thead>
<tr>
<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>U.S. - California - Proposition 65 - Developmental Toxicity</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Male</th>
<th>No significance risk level (NSRL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No significance risk level (NSRL)</td>
</tr>
</tbody>
</table>

## Isobutane (75-28-5)

<table>
<thead>
<tr>
<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>U.S. - California - Proposition 65 - Developmental Toxicity</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Male</th>
<th>No significance risk level (NSRL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No significance risk level (NSRL)</td>
</tr>
</tbody>
</table>

## Isopentane (78-78-4)

<table>
<thead>
<tr>
<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>U.S. - California - Proposition 65 - Developmental Toxicity</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Male</th>
<th>No significance risk level (NSRL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No significance risk level (NSRL)</td>
</tr>
</tbody>
</table>

## Methane (74-82-8)

<table>
<thead>
<tr>
<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>U.S. - California - Proposition 65 - Developmental Toxicity</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Male</th>
<th>No significance risk level (NSRL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No significance risk level (NSRL)</td>
</tr>
</tbody>
</table>

## Pentane (109-66-0)

<table>
<thead>
<tr>
<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>U.S. - California - Proposition 65 - Developmental Toxicity</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Male</th>
<th>No significance risk level (NSRL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
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<td>No</td>
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<td>No significance risk level (NSRL)</td>
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## Propane (74-98-6)

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<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>U.S. - California - Proposition 65 - Developmental Toxicity</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Male</th>
<th>No significance risk level (NSRL)</th>
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<tbody>
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<td>No</td>
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<td>No significance risk level (NSRL)</td>
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## Nitrogen (7727-37-9)

<table>
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<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>U.S. - California - Proposition 65 - Developmental Toxicity</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Male</th>
<th>No significance risk level (NSRL)</th>
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<td>No</td>
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<td>No significance risk level (NSRL)</td>
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<tr>
<td>Compound</td>
<td>States</td>
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| Butane n- (106-97-8) | Massachusetts - Right To Know List  
                      | U.S. - New Jersey - Right to Know Hazardous Substance List  
                      | U.S. - Pennsylvania - RTK (Right to Know) List  |
| Ethane (74-84-0)   | Massachusetts - Right To Know List  
                      | U.S. - New Jersey - Right to Know Hazardous Substance List  
                      | U.S. - Pennsylvania - RTK (Right to Know) List  |
| Isobutane (75-28-5) | Massachusetts - Right To Know List  
                      | U.S. - New Jersey - Right to Know Hazardous Substance List  
                      | U.S. - Pennsylvania - RTK (Right to Know) List  |
| Isopentane (78-78-4) | Massachusetts - Right To Know List  
                      | U.S. - New Jersey - Right to Know Hazardous Substance List  
                      | U.S. - Pennsylvania - RTK (Right to Know) List  |
| Methane (74-82-8)  | Massachusetts - Right To Know List  
                      | U.S. - New Jersey - Right to Know Hazardous Substance List  
                      | U.S. - Pennsylvania - RTK (Right to Know) List  |
| Pentane (109-66-0) | Massachusetts - Right To Know List  
                      | U.S. - New Jersey - Right to Know Hazardous Substance List  
                      | U.S. - Pennsylvania - RTK (Right to Know) List  |
| Propane (74-98-6)  | Massachusetts - Right To Know List  
                      | U.S. - New Jersey - Right to Know Hazardous Substance List  
                      | U.S. - Pennsylvania - RTK (Right to Know) List  |
| Nitrogen (7727-37-9) | Massachusetts - Right To Know List  
                      | U.S. - New Jersey - Right to Know Hazardous Substance List  
                      | U.S. - Pennsylvania - RTK (Right to Know) List  |
SECTION 16: Other information

Other information

When you mix two or more chemicals, you can create additional, unexpected hazards. Obtain and evaluate the safety information for each component before you produce the mixture. Consult an industrial hygienist or other trained person when you evaluate the end product. Before using any plastics, confirm their compatibility with this product.

Praxair asks users of this product to study this SDS and become aware of the product hazards and safety information. To promote safe use of this product, a user should (1) notify employees, agents, and contractors of the information in this SDS and of any other known product hazards and safety information, (2) furnish this information to each purchaser of the product, and (3) ask each purchaser to notify its employees and customers of the product hazards and safety information.

The opinions expressed herein are those of qualified experts within Praxair, Inc. We believe that the information contained herein is current as of the date of this Safety Data Sheet. Since the use of this information and the conditions of use are not within the control of Praxair, Inc., it is the user's obligation to determine the conditions of safe use of the product.

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