SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product name: TIRE INFLATOR & SEALER
Product code: 0747

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture: Tire Inflator

1.3. Details of the supplier of the safety data sheet
The Penray Companies, Inc.
440 Denniston Ct.
Wheeling, IL 60090
T (800) 373-6729

Manufactured For:
Aftermarket Auto Parts Alliance
San Antonio, TX 78258
210-492-4868
www.alliance1.com

1.4. Emergency telephone number
Emergency number: 210-492-4868
CHEMTREC (800) 424-9300
CHEMTREC International +1 (703) 527-3887 24 hr

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
GHS-US classification
Flammable Aerosol 2
Gases Under Pressure - Liquefied Gas

2.2. Label elements
GHS-US labelling

Hazard pictograms (GHS-US):

<table>
<thead>
<tr>
<th>Pictogram</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHS02</td>
<td>Flammable</td>
</tr>
<tr>
<td>GHS04</td>
<td>Gas</td>
</tr>
</tbody>
</table>

Signal word (GHS-US): Warning
Hazard statements (GHS-US): Flammable aerosol. Contains gas under pressure; may explode if heated. 
Precautionary statements (GHS-US): Keep away from heat/sparks/open flames/hot surfaces. -No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place.

2.3. Other hazards
No additional information available

2.4. Unknown acute toxicity (GHS-US)
5 % of the mixture consists of ingredient(s) of unknown acute toxicity.

SECTION 3: Composition/information on ingredients

3.1. Substance
Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butane</td>
<td>(CAS No) 106-97-8</td>
<td>7 - 13</td>
<td>Flam. Gas 1 Liquefied gas</td>
</tr>
<tr>
<td>Propane</td>
<td>(CAS No) 74-98-6</td>
<td>7 - 13</td>
<td>Flam. Gas 1 Liquefied gas</td>
</tr>
<tr>
<td>Sodium nitrite</td>
<td>(CAS No) 7632-00-0</td>
<td>0.1 - 1</td>
<td>Acute Tox. 3 (Oral)</td>
</tr>
</tbody>
</table>

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.
SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center/doctor/physician if you feel unwell.

First-aid measures after skin contact: If irritation occurs, flush skin with plenty of water. Get medical attention if irritation persists.

First-aid measures after eye contact: In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.

First-aid measures after ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

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

Symptoms/injuries after inhalation: May cause respiratory tract irritation.

Symptoms/injuries after skin contact: May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Symptoms/injuries after eye contact: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/injuries after ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

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

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Treat for surrounding material.

Unsuitable extinguishing media: None known.

5.2. Special hazards arising from the substance or mixture

Fire hazard: Flammable aerosol. Products of combustion may include, and are not limited to: oxides of carbon.

Explosion hazard: Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

5.3. Advice for firefighters

Firefighting instructions: Cool closed containers exposed to fire with water.

Protection during firefighting: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2. Methods and material for containment and cleaning up

For containment: Eliminate sources of ignition. Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for cleaning up: Scoop up material and place in a disposal container. Provide ventilation.

6.3. Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Keep away from sources of ignition. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid contact with skin and eyes. Do not swallow. Avoid breathing dust, fume, gas, mist, vapor, spray. When using do not eat, drink or smoke. Use only outdoors or in a well-ventilated area.

Hygiene measures: Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep locked up and out of reach of children. Do not expose to temperatures exceeding 50°C/122°F. Store away from direct sunlight or other heat sources.

Storage area: Store in a well-ventilated place.

7.3. Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Butane (106-97-8)

<table>
<thead>
<tr>
<th></th>
<th>USA ACGIH</th>
<th>ACGIH STEL (ppm)</th>
<th>1000 ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA OSHA</td>
<td>OSHA PEL (TWA) (ppm)</td>
<td>800 ppm</td>
<td></td>
</tr>
</tbody>
</table>

Propane (74-98-6)

<table>
<thead>
<tr>
<th></th>
<th>USA ACGIH</th>
<th>ACGIH TWA (ppm)</th>
<th>1000 ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA OSHA</td>
<td>OSHA PEL (TWA) (ppm)</td>
<td>1000 ppm</td>
<td></td>
</tr>
</tbody>
</table>

8.2. Exposure controls
Appropriate engineering controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
Personal protective equipment: Avoid all unnecessary exposure.
Hand protection: Wear suitable gloves.
Eye protection: Safety glasses or goggles are recommended when using product.
Skin and body protection: Wear suitable protective clothing.
Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.
Environmental exposure controls: Maintain levels below Community environmental protection thresholds.
Other information: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state: Gas/Pressurized Liquid.
- Colour: White.
- Odour: Ammonia.
- Odour threshold: No data available.
- pH: 10.5
- Relative evaporation rate (butylacetate=1): No data available.
- Melting point: No data available.
- Freezing point: No data available.
- Boiling point: No data available.
- Self ignition temperature: No data available.
- Decomposition temperature: No data available.
- Flammability (solid, gas): Flammable.
- Vapour pressure: No data available.
- Relative vapour density at 20 °C: No data available.
- Relative density: 1.003
- Solubility: No data available.
- Log Pow: No data available.
- Log Kow: No data available.
- Viscosity, kinematic: No data available.
- Viscosity, dynamic: No data available.
- Explosive properties: No data available.
- Oxidising properties: No data available.
- Explosive limits: No data available.

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
No dangerous reaction known under conditions of normal use.

10.2. Chemical stability
Stable under normal storage conditions. Flammable aerosol. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn.

10.3. Possibility of hazardous reactions
No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid
10.5. Incompatible materials
Strong oxidizing agents.

10.6. Hazardous decomposition products
May include, and are not limited to: oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity: Not classified.

<table>
<thead>
<tr>
<th>0747</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>$&gt; 2000 \text{ mg/kg}$</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>$&gt; 2000 \text{ mg/kg}$</td>
</tr>
<tr>
<td>LC50 inhalation rat (mg/l)</td>
<td>$&gt; 5 \text{ mg/l/4h}$</td>
</tr>
</tbody>
</table>

**Butane (106-97-8)**
LC50 inhalation rat (mg/l) | 658 g/m³/4h |

**Propane (74-98-6)**
LC50 inhalation rat (mg/l) | 658 mg/l/4h |

**Sodium nitrite (7632-00-0)**
LD50 oral rat | 180 mg/kg |
LC50 inhalation rat (mg/l) | 5.5 mg/l/4h |

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure): Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure): Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Symptoms/injuries after inhalation: May cause respiratory tract irritation.

Symptoms/injuries after skin contact: May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Symptoms/injuries after eye contact: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/injuries after ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

SECTION 12: Ecological information

12.1. Toxicity
Ecology - general: May cause long-term adverse effects in the aquatic environment.

12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>0747</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability</td>
<td>Not established.</td>
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</tbody>
</table>

12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>0747</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulative potential</td>
<td>Not established.</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil
No additional information available

12.5. Other adverse effects
No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations: This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.

Additional information: Flammable vapours may accumulate in the container. Do not incinerate closed containers.
## SECTION 14: Transport information

In accordance with DOT:

<table>
<thead>
<tr>
<th>14.1. UN number</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN-No.</td>
</tr>
<tr>
<td>UN1950</td>
</tr>
</tbody>
</table>

### 14.2. UN proper shipping name

<table>
<thead>
<tr>
<th>Proper Shipping Name</th>
<th>Aerosols, flammable, (each not exceeding 1 L capacity)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard Classes</td>
<td>2.1</td>
</tr>
<tr>
<td>Hazard labels</td>
<td></td>
</tr>
</tbody>
</table>

### 14.3. Additional information

| Other information     | No supplementary information available.                |
| Special transport precautions | Do not handle until all safety precautions have been read and understood. |

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butane (106-97-8)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
<tr>
<td>Propane (74-98-6)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
<tr>
<td>Sodium nitrite (7632-00-0)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
</tbody>
</table>

#### EPA TSCA Regulatory Flag

S - S - indicates a substance that is identified in a proposed or final Significant New Uses Rule.

#### SARA Section 313 - Emission Reporting

<table>
<thead>
<tr>
<th>Source</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1.0 %</td>
</tr>
</tbody>
</table>

### 15.2. US State regulations

#### 0747

State or local regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

## SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

### IARC

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Carcinogenic to humans;</td>
</tr>
<tr>
<td>2A</td>
<td>Probably carcinogenic to humans;</td>
</tr>
<tr>
<td>2B</td>
<td>Possibly carcinogenic to humans;</td>
</tr>
<tr>
<td>3</td>
<td>Not classifiable.</td>
</tr>
<tr>
<td>4</td>
<td>Probably not carcinogenic to humans.</td>
</tr>
</tbody>
</table>

### NTP

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Evidence of Carcinogenicity;</td>
</tr>
<tr>
<td>2</td>
<td>Known Human Carcinogens;</td>
</tr>
<tr>
<td>3</td>
<td>Reasonably anticipated to be Human Carcinogen;</td>
</tr>
<tr>
<td>4</td>
<td>Substances delisted from report on Carcinogens;</td>
</tr>
<tr>
<td>5</td>
<td>Twelfth Report - Items under consideration.</td>
</tr>
</tbody>
</table>

## SECTION 16: Other information

### Indication of changes

None.

### Date of issue

03/07/2014

### Other information

None.

<table>
<thead>
<tr>
<th>NFPA health hazard</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>NFPA fire hazard</td>
<td>3</td>
</tr>
<tr>
<td>NFPA reactivity</td>
<td>0</td>
</tr>
</tbody>
</table>
This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.