SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : CHAMPION EMERGENCY TIRE INFLATOR
Product code : 4086KH

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Tire Inflator

1.3. Supplier

Champion Brands LLC
1001 Golden Drive
Clinton, MO 64735
T (800) 821-5693

DISTRIBUTOR:
Champion Brands, LLC
1001 Golden Drive
Clinton, MO 64735
www.ChampionBrands.com
Made in USA

1.4. Emergency telephone number

Emergency number : (800) 373-6729
CHEMTREC (800) 424-9300
CHEMTREC International +1 (703) 527-3887 24 hr

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification
Flam. Aerosol 1
Press. Gas (Liq.)

2.2. GHS Label elements, including precautionary statements

GHS-US labeling
Hazard pictograms (GHS-US) : 

Signal word (GHS-US) : Danger
Hazard statements (GHS-US) : Extremely 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. Store in a well-ventilated place.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable
SECTION 3: Composition/Information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>(CAS No) 7732-18-5</td>
<td>60 - 80</td>
</tr>
<tr>
<td>Butane</td>
<td>(CAS No) 106-97-8</td>
<td>7 - 13</td>
</tr>
<tr>
<td>Propane</td>
<td>(CAS No) 74-98-6</td>
<td>7 - 13</td>
</tr>
<tr>
<td>T-1041 TI RESIN (TAILORED)</td>
<td>Trade Secret</td>
<td>3 - 7</td>
</tr>
<tr>
<td>Ammonium hydroxide</td>
<td>(CAS No) 1336-21-6</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Ethylene glycol</td>
<td>(CAS No) 107-21-1</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Sodium nitrite</td>
<td>(CAS No) 7632-00-0</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Sodium benzoate</td>
<td>(CAS No) 532-32-1</td>
<td>0.1 - 1</td>
</tr>
</tbody>
</table>

* The specific chemical identity and 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 or 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 (acute and delayed)

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

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

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

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

4.3. Immediate medical attention and special treatment, if necessary

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

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Treat for surrounding material.

Unsuitable extinguishing media: Do not use water jet.

5.2. Specific hazards arising from the chemical

Fire hazard: Extremely 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.

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

5.3. Special protective equipment and precautions for fire-fighters

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.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

6.3. 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.

6.4. Reference to other sections

For further information refer to section 8: “Exposure controls/personal protection”

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/vapors/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.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>Water (7732-18-5)</th>
<th>Butane (106-97-8)</th>
<th>Propane (74-98-6)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>ACGIH STEL (ppm)</td>
<td>ACGIH STEL (ppm)</td>
<td>ACGIH STEL (ppm)</td>
</tr>
<tr>
<td>IDLH</td>
<td>US IDLH (ppm)</td>
<td>US IDLH (ppm)</td>
<td>US IDLH (ppm)</td>
</tr>
<tr>
<td>NIOSH</td>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td>NIOSH REL (TWA) (mg/m³)</td>
</tr>
<tr>
<td>NIOSH</td>
<td>NIOSH REL (TWA) (ppm)</td>
<td>NIOSH REL (TWA) (ppm)</td>
<td>NIOSH REL (TWA) (ppm)</td>
</tr>
</tbody>
</table>

Butane:
- ACGIH: Not applicable
- IDLH: 1000 ppm (explosion hazard)
- NIOSH: 1000 ppm

Propane:
- Local name: Propane
- Remark (ACGIH): Simple Asphyxiant
- Regulatory reference (OSHA): OSHA 2017
- Regulatory reference (US-OSHA): OSHA 2017
- IDLH: 2100 ppm (10% LEL)
- NIOSH: 1800 mg/m³

Water:
- Not applicable

Butane:
- ACGIH: Not applicable
- IDLH: 1600 ppm (>10% LEL)
- NIOSH: 1900 mg/m³

Propane:
- Local name: Propane
- Remark (ACGIH): Simple Asphyxiant
- Regulatory reference (OSHA): OSHA 2017
- Regulatory reference (US-OSHA): OSHA 2017
- IDLH: 2100 ppm (10% LEL)
- NIOSH: 1800 mg/m³
8.2. Appropriate engineering controls
Appropriate engineering controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
Environmental exposure controls: Maintain levels below Community environmental protection thresholds.

8.3. Individual protection measures/Personal protective equipment

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

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

<table>
<thead>
<tr>
<th>Physical property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Aerosol</td>
</tr>
<tr>
<td>Color</td>
<td>White</td>
</tr>
<tr>
<td>Odor</td>
<td>Ammonia.</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>10.5</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>Relative evaporation rate (butyl acetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Extremely flammable aerosol</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
</tbody>
</table>
### Safety Data Sheet

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relative vapor density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.003</td>
</tr>
<tr>
<td>Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient n-octanol/water</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>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosion limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
</tbody>
</table>

**9.2. Other information**

Additional information: Flame projection: 30 cm

### 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. Extremely 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**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>4086KH</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

**LD50**

<table>
<thead>
<tr>
<th>Species</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral rat</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>Dermal rabbit</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>Inhalation rat</td>
<td>&gt; 5 mg/l/4h</td>
</tr>
</tbody>
</table>

**Water (7732-18-5)**

<table>
<thead>
<tr>
<th>Species</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral rat</td>
<td>&gt; 90 ml/kg</td>
</tr>
</tbody>
</table>

**Butane (106-97-8)**

<table>
<thead>
<tr>
<th>Species</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation rat</td>
<td>658 g/m³ (Exposure time: 4 h)</td>
</tr>
<tr>
<td>ATE US (vapors)</td>
<td>658 mg/l/4h</td>
</tr>
<tr>
<td>ATE US (dust, mist)</td>
<td>658 mg/l/4h</td>
</tr>
</tbody>
</table>

**Propane (74-98-6)**

<table>
<thead>
<tr>
<th>Species</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation rat</td>
<td>&gt; 800000 ppm (Exposure time: 15 min)</td>
</tr>
</tbody>
</table>

**Ammonium hydroxide (1336-21-6)**

<table>
<thead>
<tr>
<th>Species</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral rat</td>
<td>350 mg/kg</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>350 mg/kg body weight</td>
</tr>
</tbody>
</table>

**Ethylene glycol (107-21-1)**

<table>
<thead>
<tr>
<th>Species</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral rat</td>
<td>4700 mg/kg</td>
</tr>
<tr>
<td>Dermal rat</td>
<td>10600 mg/kg</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>500 mg/kg body weight</td>
</tr>
</tbody>
</table>
Ethylene glycol (107-21-1)
ATE US (dermal) 10600 mg/kg body weight

Sodium nitrite (7632-00-0)
LD50 oral rat 85 mg/kg
LC50 inhalation rat 5.5 mg/l/4h
ATE US (oral) 85 mg/kg body weight
ATE US (vapors) 5.5 mg/l/4h
ATE US (dust, mist) 5.5 mg/l/4h

Sodium benzoate (532-32-1)
LD50 oral rat 4070 mg/kg
ATE US (oral) 4070 mg/kg body weight

Skin corrosion/irritation: Not classified
pH: 10.5
Serious eye damage/irritation: Not classified
pH: 10.5
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
Symptoms/effects after inhalation: May cause respiratory tract irritation.
Symptoms/effects after skin contact: May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
Symptoms/effects after eye contact: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/effects after ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

SECTION 12: Ecological information

Ecology - general: Not considered to be harmful to aquatic life.

Ammonium hydroxide (1336-21-6)
LC50 fish 1 8.2 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
EC50 Daphnia 1 0.66 mg/l (Exposure time: 48 h - Species: water flea)
EC50 Daphnia 2 0.66 mg/l (Exposure time: 48 h - Species: Daphnia pulex)

Ethylene glycol (107-21-1)
LC50 fish 1 41000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1 46300 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2 14 - 18 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

Sodium nitrite (7632-00-0)
LC50 fish 1 0.19 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
LC50 fish 2 0.092 - 0.13 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])

Sodium benzoate (532-32-1)
LC50 fish 1 420 - 558 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1 < 650 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2 > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
12.2. Persistence and degradability

| 4086KH | Persistence and degradability | Not established. |

12.3. Bioaccumulative potential

| 4086KH | Bioaccumulative potential | Not established. |

| Butane (106-97-8) | Partition coefficient n-octanol/water | 2.89 |
| Propane (74-98-6) | Partition coefficient n-octanol/water | 2.3 |
| Ethylene glycol (107-21-1) | Partition coefficient n-octanol/water | -1.93 |
| Sodium nitrite (7632-00-0) | Partition coefficient n-octanol/water | -3.7 (at 25 °C) |
| Sodium benzoate (532-32-1) | BCF fish 1 | (no bioaccumulation) |
| | Partition coefficient n-octanol/water | -2.13 |

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on the global warming : No known effects from this product.

Ethylene glycol (107-21-1)

1990 Hazardous Air Pollutant (Clean Air Act) | Yes

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging 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 vapors may accumulate in the container. Do not incinerate closed containers.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT
UN-No.(DOT) : UN1950
Proper Shipping Name (DOT) : Aerosols
flammable, (each not exceeding 1 L capacity)
Class (DOT) : 2.1 - Class 2.1 - Flammable gas 49 CFR 173.115
Hazard labels (DOT) : 

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory
15.2. International regulations
No additional information available

15.3. US State regulations

⚠️ WARNING
This product can expose you to Ethylene glycol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information

Date of issue : 03/07/2014
Revision date : 02/14/2018
Other information : None.
Prepared by : Nexreg Compliance Inc.
www.Nexreg.com

NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.
NFPA fire hazard : 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions.
NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.

SDS US (GHS HazCom 2012)_NEXREG_NEW

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