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

1.1. Product identifier

Product name: BRAKE AND PARTS CLEANER
Product code: 11050

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

Recommended use: Brake Cleaner

1.3. Details of the supplier of the safety data sheet

Manufactured for:
Myers Tire Supply
1293 Main Street
Akron, OH 44301

1.4. Emergency telephone number

Emergency number: (800)998-9897

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification
Flam. Aerosol 1
Press. Gas - Compressed gas
Skin Irrit. 2
Repr. 2
STOT SE 3
STOT RE 2
Asp. Tox. 1

2.2. Label elements

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. Causes skin irritation. Suspected of damaging fertility or the unborn child. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways.
Precautionary statements (GHS-US):
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. If exposed or concerned: Get medical advice/attention. If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

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>Heptane, branched, cyclic and linear</td>
<td>(CAS No) 426260-76-6</td>
<td>40 - 70</td>
</tr>
<tr>
<td>Naphtha, petroleum, heavy alkylate</td>
<td>(CAS No) 64741-65-7</td>
<td>30 - 40</td>
</tr>
<tr>
<td>n-Heptane</td>
<td>(CAS No) 142-62-5</td>
<td>10 - 30</td>
</tr>
<tr>
<td>Carbon dioxide</td>
<td>(CAS No) 124-38-9</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Isopropyl alcohol</td>
<td>(CAS No) 67-63-0</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Toluene</td>
<td>(CAS No) 108-88-3</td>
<td>0.5 - 3</td>
</tr>
</tbody>
</table>

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

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: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and 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. Immediately call a poison center or doctor/physician.

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

Symptoms/injuries after inhalation: May cause drowsiness or dizziness. Intentional misuse of product by inhalation can result in asphyxiation or death.

Symptoms/injuries after skin contact: Causes 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 fatal if swallowed and enters airways. Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis. 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


Unsuitable extinguishing media: None known.

5.2. Special hazards arising from the substance or mixture

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

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: DO NOT fight fire when fire reaches explosives. Evacuate area.

Protection during firefighting: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Use water spray or fog for cooling exposed containers.

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. Isolate from fire, if possible, without unnecessary risk. Remove ignition sources. Use special care to avoid static electric charges.
6.2. Methods and material for containment and cleaning up

For containment: Eliminate all ignition sources if safe to do so. Stop leak if safe to do so. 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

Additional hazards when processed: Hazardous waste due to potential risk of explosion. Pressurized container: Do not pierce or burn, even after use.

Precautions for safe handling: Keep away from sources of ignition - No smoking. Avoid contact with skin and eyes. Avoid breathing dust, fume, gas, mist, vapors, spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Do not spray on an open flame or other ignition source. Use personal protective equipment as required. 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

Technical measures: Proper grounding procedures to avoid static electricity should be followed.

Storage conditions: Keep locked up and out of reach of children. Keep container tightly closed. Do not expose to temperatures exceeding 50 °C/ 122 °F. Keep in fireproof place. Store away from direct sunlight or other heat sources. Store in a cool, well-ventilated place.

7.3. Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>ACGIH TWA (ppm)</th>
<th>ACGIH STEL (ppm)</th>
<th>OSHA PEL (TWA) (mg/m³)</th>
<th>OSHA PEL (TWA) (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heptane, branched, cyclic and linear (426260-76-6)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>Not applicable</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA</td>
<td>Not applicable</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Naphtha, petroleum, heavy alkylate (64741-65-7)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>Not applicable</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA</td>
<td>Not applicable</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>n-Heptane (142-82-5)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>ACGIH TWA (ppm)</td>
<td>400 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>ACGIH STEL (ppm)</td>
<td>500 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>2000 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA</td>
<td>OSHA PEL (TWA) (ppm)</td>
<td>500 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carbon dioxide (124-38-9)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>ACGIH TWA (ppm)</td>
<td>5000 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>ACGIH STEL (ppm)</td>
<td>30000 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>9000 mg/m³</td>
<td></td>
<td></td>
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<tr>
<td>OSHA</td>
<td>OSHA PEL (TWA) (ppm)</td>
<td>5000 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Isopropyl alcohol (67-63-0)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>ACGIH TWA (ppm)</td>
<td>200 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>ACGIH STEL (ppm)</td>
<td>400 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>980 mg/m³</td>
<td></td>
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</tr>
<tr>
<td>OSHA</td>
<td>OSHA PEL (TWA) (ppm)</td>
<td>400 ppm</td>
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<td></td>
</tr>
</tbody>
</table>
Toluene (108-88-3)

<table>
<thead>
<tr>
<th></th>
<th>ACGIH TWA (ppm)</th>
<th>OSHA PEL (TWA) (ppm)</th>
<th>OSHA PEL (Ceiling) (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>20 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA</td>
<td>200 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA</td>
<td>300 ppm</td>
<td></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.
- **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. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- **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
- **Appearance**: Clear
- **Color**: Colorless
- **Odor**: Solvent
- **Odor threshold**: No data available
- **pH**: No data available
- **Melting point**: No data available
- **Freezing point**: No data available
- **Boiling point**: No data available
- **Flash point**: No data available
- **Relative evaporation rate (butyl acetate=1)**: No data available
- **Flammability (solid, gas)**: Flammable
- **Explosion limits**: No data available
- **Explosive properties**: No data available
- **Oxidizing properties**: No data available
- **Vapor pressure**: No data available
- **Relative density**: No data available
- **Relative vapor density at 20 °C**: No data available
- **Solubility**: No data available
- **Partition coefficient n-octanol/water**: No data available
- **Auto-ignition temperature**: No data available
- **Decomposition temperature**: No data available
- **Viscosity**: No data available
- **Viscosity, kinematic**: No data available
- **Viscosity, dynamic**: 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

Extremely flammable aerosol. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn. Extreme risk of explosion by shock, friction, fire or other sources of ignition.
10.3. **Possibility of hazardous reactions**
No dangerous reaction known under conditions of normal use.

10.4. **Conditions to avoid**

10.5. **Incompatible materials**

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

### SECTION 11: Toxicological information

11.1. **Information on toxicological effects**

<table>
<thead>
<tr>
<th>Acute toxicity</th>
<th>Not classified</th>
</tr>
</thead>
</table>

#### 1050
- **LD50 oral rat**: > 2000 ml/kg (Calculated Acute Toxicity Estimate)
- **LD50 dermal rabbit**: > 2000 mg/kg (Calculated Acute Toxicity Estimate)
- **LC50 inhalation rat**: > 5 mg/l/4h (Calculated Acute Toxicity Estimate)

#### Naphtha, petroleum, heavy alkylate (64741-65-7)
- **LD50 oral rat**: > 7000 mg/kg
- **LD50 dermal rabbit**: > 2000 mg/kg
- **LC50 inhalation rat**: > 5.04 mg/l/4h

#### n-Heptane (142-82-5)
- **LD50 dermal rabbit**: 3000 mg/kg
- **LC50 inhalation rat**: 103 g/m³/4h

#### Isopropyl alcohol (67-63-0)
- **LD50 oral rat**: 1870 mg/kg
- **LD50 dermal rabbit**: 4059 mg/kg
- **LC50 inhalation rat**: 72600 mg/m³/4h

#### Toluene (108-88-3)
- **LD50 oral rat**: 2600 mg/kg
- **LD50 dermal rabbit**: 12000 mg/kg
- **LC50 inhalation rat**: 12.5 mg/l/4h

- **Skin corrosion/irritation**: Causes skin irritation.
- **Serious eye damage/irritation**: Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitization**: Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity**: Based on available data, the classification criteria are not met.

#### Isopropyl alcohol (67-63-0)
- **IARC group**: 3 - Not classifiable

#### Toluene (108-88-3)
- **IARC group**: 3 - Not classifiable

- **Reproductive toxicity**: Suspected of damaging fertility or the unborn child.
- **STOT-single exposure**: May cause drowsiness or dizziness.
- **STOT-repeated exposure**: May cause damage to organs through prolonged or repeated exposure.
- **Aspiration hazard**: May be fatal if swallowed and enters airways.
- **Symptoms/injuries after inhalation**: May cause drowsiness or dizziness. Intentional misuse of product by inhalation can result in asphyxiation or death.
- **Symptoms/injuries after skin contact**: Causes 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 fatal if swallowed and enters airways. Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis. 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.

<table>
<thead>
<tr>
<th>Compound</th>
<th>Endpoint</th>
<th>Value</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha, petroleum, heavy alkylate (64741-65-7)</td>
<td>EC50 Daphnia 1</td>
<td>2 mg/l (48 h - Mysidopsis bahia)</td>
<td></td>
</tr>
<tr>
<td>n-Heptane (142-82-5)</td>
<td>LC50 fish 1</td>
<td>375.0 mg/l (96 h - Cichlid fish)</td>
<td></td>
</tr>
<tr>
<td>Isopropyl alcohol (67-63-0)</td>
<td>LC50 fish 1</td>
<td>9640 mg/l (96 h - Pimephales promelas [flow-through])</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EC50 Daphnia 1</td>
<td>13299 mg/l (48 h - Daphnia magna)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LC50 fish 2</td>
<td>11130 mg/l (96 h - Pimephales promelas [static])</td>
<td></td>
</tr>
<tr>
<td>Toluene (108-88-3)</td>
<td>LC50 fish 1</td>
<td>15.22 - 19.05 mg/l (96 h - Pimephales promelas [flow-through])</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EC50 Daphnia 1</td>
<td>5.46 - 9.83 mg/l (48 h - Daphnia magna [static])</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LC50 fish 2</td>
<td>12.6 mg/l (96 h - Pimephales promelas [static])</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EC50 Daphnia 2</td>
<td>11.5 mg/l (48 h - Daphnia magna)</td>
<td></td>
</tr>
</tbody>
</table>

#### 12.2. Persistence and degradability

11050
Persistence and degradability: Not established.

#### 12.3. Bioaccumulative potential

11050
Bioaccumulative potential: Not established.

<table>
<thead>
<tr>
<th>Compound</th>
<th>Partition coefficient n-octanol/water</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Heptane (142-82-5)</td>
<td>4.66</td>
</tr>
<tr>
<td>Carbon dioxide (124-38-9)</td>
<td>(no bioaccumulation)</td>
</tr>
<tr>
<td>Isopropyl alcohol (67-63-0)</td>
<td>0.05 (at 25 °C)</td>
</tr>
<tr>
<td>Toluene (108-88-3)</td>
<td>2.7</td>
</tr>
</tbody>
</table>

#### 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.

### 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 vapors may accumulate in the container. Handle empty containers with care because residual vapors are flammable.

### SECTION 14: Transport information

**Department of Transportation (DOT)**

In accordance with DOT

UN-No.(DOT): UN1950
BRAKE AND PARTS CLEANER
Safety Data Sheet

Proper Shipping Name (DOT) : Aerosols, flammable, Limited Quantity
Class (DOT) : 2.1
Hazard labels (DOT) :

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
All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

n-Heptane (142-82-5)
EPA TSCA Regulatory Flag T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA

Isopropyl alcohol (67-63-0)
Subject to reporting requirements of United States SARA Section 313
EPA TSCA Regulatory Flag T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA
SARA Section 313 - Emission Reporting 1.0 % (only if manufactured by the strong acid process, no supplier notification)

Toluene (108-88-3)
Subject to reporting requirements of United States SARA Section 313
SARA Section 313 - Emission Reporting 1.0 %

15.3. US State regulations
11050
State or local regulations

WARNING: This product can expose you to chemicals including benzene and ethylbenzene, which are known to the State of California to cause cancer, and benzene and toluene, which are 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 : 10/07/2016
Revision date : 10/07/2016
Other information : None.

NFPA health hazard : 2
NFPA fire hazard : 4
NFPA reactivity : 0

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