# Purple Cleaner

**Safety Data Sheet**


Date of issue: 12/16/2016  
Revision date: 12/16/2016  
Version: 1.0

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## SECTION 1: Identification

### 1.1. Identification

<table>
<thead>
<tr>
<th>Product name</th>
<th>Purple Cleaner</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product code</td>
<td>1340</td>
</tr>
</tbody>
</table>

### 1.2. Recommended use and restrictions on use

**Recommended use**: Cleaner

### 1.3. Supplier

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

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**GHS-US classification**

- Repr. 2  
- STOT RE 1

### 2.2. GHS Label elements, including precautionary statements

#### GHS-US labelling

**Hazard pictograms (GHS-US)**:  
![GHS08](image)

**Signal word (GHS-US)**: Danger

**Hazard statements (GHS-US)**:  
- Suspected of damaging fertility or the unborn child  
- Causes damage to organs through prolonged or repeated exposure

**Precautionary statements (GHS-US)**:  
- Obtain special instructions before use  
- Do not handle until all safety precautions have been read and understood  
- Do not breathe dust/fume/gas/mist/vapours/spray  
- Wash hands, forearms and face thoroughly after handling  
- Do not eat, drink or smoke when using this product  
- Wear protective gloves/protective clothing/eye protection/face protection  
- If exposed or concerned: Get medical advice/attention  
- Get medical advice/attention if you feel unwell  
- Store locked up  
- Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

### 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. Substance
Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boric acid (HBO2), sodium salt, tetrahydrate</td>
<td>(CAS No) 10555-76-7</td>
<td>1 - 5</td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>(CAS No) 111-76-2</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>

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. Get medical advice/attention 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/injuries after inhalation: May cause respiratory tract irritation.

Symptoms/injuries after skin contact: May cause skin irritation. Symptoms may include redness, 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. 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 immediately (show the label or SDS where possible).

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media


Unsuitable extinguishing media: None known.

5.2. Specific hazards arising from the chemical

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

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

5.3. Special protective equipment and precautions for fire-fighters

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.

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
Do not allow material to contaminate ground water system.

6.3. Methods and material for containment and cleaning up
For containment: 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: Avoid contact with skin and eyes. Do not breathe dust, fume, gas, mist, spray, vapours. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.
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 out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated place.

SECTION 8: Exposure controls/personal protection
8.1. Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>ACGIH TWA (ppm)</th>
<th>OSHA PEL (TWA) (mg/m³)</th>
<th>OSHA PEL (TWA) (ppm)</th>
<th>Limit value category (OSHA)</th>
<th>US IDLH (ppm)</th>
<th>NIOSH REL (TWA) (mg/m³)</th>
<th>NIOSH REL (TWA) (ppm)</th>
<th>US-NIOSH chemical category</th>
<th>Potential for dermal absorption</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boric acid (HBO2), sodium salt, tetrahydrate (10555-76-7)</td>
<td>20 ppm</td>
<td>240 mg/m³</td>
<td>50 ppm</td>
<td>prevent or reduce skin absorption</td>
<td>700 ppm</td>
<td>24 mg/m³</td>
<td>5 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-Butoxyethanol (111-76-2)</td>
<td>20 ppm</td>
<td>240 mg/m³</td>
<td>50 ppm</td>
<td>prevent or reduce skin absorption</td>
<td>700 ppm</td>
<td>24 mg/m³</td>
<td>5 ppm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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.

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>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear</td>
</tr>
<tr>
<td>Colour</td>
<td>Purple</td>
</tr>
<tr>
<td>Odour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour 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>Does not flash</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Non flammable</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.04</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>Explosive limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidising properties</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 dangerous reaction known under conditions of normal use.

10.2. Chemical stability
Stable under normal storage conditions.

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

10.4. Conditions to avoid
Heat. Incompatible materials.

10.5. Incompatible materials
Strong acids.

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><strong>Purple Cleaner</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 2000 mg/kg (Calculated Acute Toxicity Estimate)</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 2000 mg/kg (Calculated Acute Toxicity Estimate)</td>
</tr>
<tr>
<td>LC50 inhalation rat</td>
<td>&gt; 20 mg/l 4h (Calculated Acute Toxicity Estimate)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>2-Butoxyethanol (111-76-2)</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>470 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>99 mg/kg</td>
</tr>
<tr>
<td>LC50 inhalation rat</td>
<td>450 ppm/4h</td>
</tr>
</tbody>
</table>

**Skin corrosion/irritation**: Not classified.

**Serious eye damage/irritation**: Not classified.

**Respiratory or skin sensitisation**: Not classified.

**Germ cell mutagenicity**: Not classified.

**Carcinogenicity**: Not classified.

2-Butoxyethanol (111-76-2)

**IARC group**
- 3 - Not classifiable

**Reproductive toxicity**: Suspected of damaging fertility or the unborn child.

**Specific target organ toxicity (single exposure)**: Not classified.

**Specific target organ toxicity (repeated exposure)**: Causes damage to organs through prolonged or repeated exposure.

**Aspiration hazard**: Not classified.

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

**Symptoms/injuries after skin contact**: May cause skin irritation. Symptoms may include redness, 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.

**Other information**: Likely routes of exposure: ingestion, inhalation, skin and eye.

**SECTION 12: Ecological information**

12.1. Toxicity

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

<table>
<thead>
<tr>
<th><strong>2-Butoxyethanol (111-76-2)</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>1490 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>&gt; 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)</td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>2950 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

**Purple Cleaner**
- Persistence and degradability: Not established.

12.3. Bioaccumulative potential

**Purple Cleaner**
- Bioaccumulative potential: Not established.

<table>
<thead>
<tr>
<th><strong>2-Butoxyethanol (111-76-2)</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Partition coefficient n-octanol/water</td>
<td>0.81 (at 25 °C)</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. 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.

SECTION 14: Transport information
Department of Transportation (DOT)
In accordance with DOT
Not regulated

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 except for:
Boric acid (HBO2), sodium salt, tetrahydrate CAS No 10555-76-7

15.2. International regulations
No additional information available

15.3. US State regulations
California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

2-Butoxyethanol (111-76-2)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information
Date of issue : 12/16/2016
Revision date : 12/16/2016
Other information : None.
Prepared by : Nexreg Compliance Inc.
              www.Nexreg.com

NFPA health hazard : 0
NFPA fire hazard : 1
NFPA reactivity : 0
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