



# PENRAY MOTOR PEP

## Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Date of issue: 04/30/2014

Revision date: 04/30/2014

Version: 1.0

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

#### 1.1. Product identifier

Product name : PENRAY MOTOR PEP  
Product code : 3016

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

Use of the substance/mixture : Tune-up Treatment.

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

The Penray Companies, Inc.  
440 Denniston Ct.  
60090 Wheeling, IL  
T (800) 373-6729  
[rotto@penray.com](mailto:rotto@penray.com)

#### 1.4. Emergency telephone number

Emergency number : (800) 373-6729  
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 Liquid 4  
Reproductive Toxicity 1B  
Aspiration Toxicity 1

#### 2.2. Label elements

##### GHS-US labelling

Hazard pictograms (GHS-US) :



GHS08

Signal word (GHS-US) : Danger  
Hazard statements (GHS-US) : Combustible liquid. May damage fertility or the unborn child. May be fatal if swallowed and enters airways.  
Precautionary statements (GHS-US) : Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/ protective clothing/eye protection/face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. If exposed or concerned: Get medical advice/attention. If swallowed: immediately call a poison center/doctor. Do NOT induce vomiting. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents and container in accordance with all local, regional, national and international regulations.

#### 2.3. Other hazards

No additional information available.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable.

#### 3.2. Mixture

| Name   | Product identifier   | %       | GHS-US classification                     |
|--|----------------------|---------|---|
| Distillates, petroleum, hydrotreated light naphthenic    | (CAS No) 64742-53-6  | 35 - 65 | Not classified                            |
| Distillates, petroleum, solvent-refined heavy paraffinic | (CAS No) 64741-88-4  | 30 - 60 | Not classified                            |
| Phenol, (tetrapropenyl) derivatives                      | (CAS No) 74499-35-7  | 0.1 - 1 | Skin Irrit. 2<br>Eye Irrit. 2A<br>Repr. 2 |
| Phenol, (tetrapropenyl) derivatives, calcium salts       | (CAS No) 132752-19-3 | 0.1 - 1 | Repr. 1B                                  |

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 inhaled and 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.

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|                                       |   |
|---------------------------------------|---|
| 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 for at least 15 minutes. If easy to do, 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. Rinse mouth. Get immediate medical advice/attention. |

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

|                                      |  |
|--------------------------------------|--|
| Symptoms/injuries after inhalation   | : May cause respiratory 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 fatal if swallowed and enters airways. This product may be aspirated into the lungs and cause 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

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Powder, foam, carbon dioxide, water fog. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.         |

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

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

### 5.3. Advice for firefighters

|                                |  |
|--------------------------------|--|
| Protection during firefighting | : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Use water spray to keep fire-exposed containers cool. |
|--------------------------------|--|

## 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. Eliminate sources of ignition. |
|------------------|---|

### 6.2. 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.   |

### 6.3. 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. Avoid contact with skin and eyes. Avoid breathing gas/mist/vapours/spray. Do not swallow. Handle and open container with care. Use non-sparking tools. 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 out of the reach of children. Keep container tightly closed and in a well-ventilated place. Store locked up. Keep cool. Keep away from heat, sparks, and flame. |
|--------------------|--|

### 7.3. Specific end use(s)

Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| Distillates, petroleum, hydrotreated light naphthenic (64742-53-6)    |                                     |                     |
|---|-------------------------------------|---------------------|
| USA ACGIH   | ACGIH TWA (mg/m <sup>3</sup> )      | 5 mg/m <sup>3</sup> |
| USA OSHA  | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 5 mg/m <sup>3</sup> |
| Distillates, petroleum, solvent-refined heavy paraffinic (64741-88-4) |                                     |                     |
| USA ACGIH   | ACGIH TWA (mg/m <sup>3</sup> )      | 5 mg/m <sup>3</sup> |
| USA OSHA  | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 5 mg/m <sup>3</sup> |

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| Phenol, (tetrapropenyl) derivatives (74499-35-7) |           |                 |
|--|-----------|-----------------|
| USA ACGIH  | ACGIH TWA | Not applicable. |
| USA OSHA   | OSHA PEL  | Not applicable. |

| Phenol, (tetrapropenyl) derivatives, calcium salts (132752-19-3) |           |                 |
|--|-----------|-----------------|
| USA ACGIH  | ACGIH TWA | Not applicable. |
| USA OSHA   | OSHA PEL  | Not applicable. |

### 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 chemically resistant protective 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                             | : Liquid.              |
| Appearance                                 | Clear.                 |
| Colour                                     | : Amber.               |
| Odour                                      | : Petroleum odor.      |
| Odour threshold                            | : No data available.   |
| pH   | : No data available.   |
| Relative evaporation rate (butylacetate=1) | : No data available.   |
| Melting point                              | : No data available.   |
| Freezing point                             | : No data available.   |
| Boiling point                              | : No data available.   |
| Flash point                                | : ~ 92.2 °C (~ 198 °F) |
| 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                           | : 0.867 - 0.877        |
| 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.

### 10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

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### 10.4. Conditions to avoid

Heat. Incompatible materials. Open flame.

### 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

| 3016                |                |
|---------------------|----------------|
| LD50 oral rat       | > 2000 mg/kg   |
| LD50 dermal rat     | > 2000 mg/kg   |
| LC50 inhalation rat | Not available. |

#### Distillates, petroleum, hydrotreated light naphthenic (64742-53-6)

|                            |              |
|----------------------------|--------------|
| LD50 oral rat              | > 5000 mg/kg |
| LD50 dermal rabbit         | > 2000 mg/kg |
| LC50 inhalation rat (mg/l) | 2.18 mg/l/4h |

#### Distillates, petroleum, solvent-refined heavy paraffinic (64741-88-4)

|                            |              |
|----------------------------|--------------|
| LD50 oral rat              | > 5000 mg/kg |
| LD50 dermal rabbit         | > 2000 mg/kg |
| LC50 inhalation rat (mg/l) | 2.18 mg/l/4h |

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

|                    |            |
|--------------------|------------|
| LD50 oral rat      | 4000 mg/kg |
| LD50 dermal rabbit | 9530 µL/kg |

|  |  |
|--|--|
| 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                              | : May damage fertility or the unborn child.  |
| 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                                  | : May be fatal if swallowed and enters airways.  |
| Symptoms/injuries after inhalation                 | : May cause respiratory 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 fatal if swallowed and enters airways. This product may be aspirated into the lungs and cause 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.

### 12.2. Persistence and degradability

| 3016                          |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |

### 12.3. Bioaccumulative potential

| 3016                      |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |

### 12.4. Mobility in soil

| 3016           |                                      |
|----------------|--------------------------------------|
| Ecology - soil | No additional information available. |

### 12.5. Other adverse effects

Other adverse effects : No additional information available.

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

|                         |   |
|-------------------------|---|
| Waste treatment methods | : This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimised wherever possible. |
| Additional information  | : Handle empty containers with care because residual vapours are flammable.   |

### SECTION 14: Transport information

In accordance with DOT

#### 14.1. UN number

|            |          |
|------------|----------|
| DOT UN-No. | : NA1993 |
|------------|----------|

#### 14.2. UN proper shipping name

|   |  |
|---|--|
| Proper Shipping Name                        | : Combustible liquid, n.o.s. (Petroleum distillates) |
| Department of Transportation Hazard Classes | : Combustible liquid                                 |
| Packing group (DOT)                         | : III  |

#### 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

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

Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Listed on SARA Section 313 (Specific toxic chemical listings)

|                                       |  |
|---------------------------------------|--|
| EPA TSCA Regulatory Flag              | Y2 - Y2 - indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule. |
| SARA Section 313 - Emission Reporting | 1.0 %  |

##### Distillates, petroleum, hydrotreated light naphthenic (64742-53-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

##### Phenol, (tetrapropenyl) derivatives (74499-35-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

##### Phenol, (tetrapropenyl) derivatives, calcium salts (132752-19-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

##### Distillates, petroleum, solvent-refined heavy paraffinic (64741-88-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### 15.2. US State regulations

##### 3016

|                            |  |
|----------------------------|--|
| 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:

|             |   |
|-------------|---|
| <b>IARC</b> | <b>International Agency for Research on Cancer.</b><br>1 - Carcinogenic to humans;<br>2A - Probably carcinogenic to humans;<br>2B - Possibly carcinogenic to humans;<br>3 - Not classifiable;<br>4 - Probably not carcinogenic to humans.                               |
| <b>NTP</b>  | <b>National Toxicology Program.</b><br>1 - Evidence of Carcinogenicity;<br>2 - Known Human Carcinogens;<br>3 - Reasonably anticipated to be Human Carcinogen;<br>4 - Substances delisted from report on Carcinogens;<br>5 - Twelfth Report - Items under consideration. |

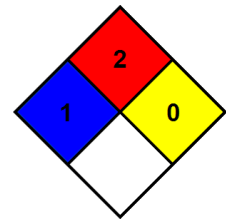
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### SECTION 16: Other information

|                       |   |  |
|-----------------------|---|--|
| Indication of changes | : | None.  |
| Date of issue         | : | 04/30/2014   |
| Other information     | : | None.  |
| NFPA health hazard    | : | 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.  |
| NFPA fire hazard      | : | 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur. |
| NFPA reactivity       | : | 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.         |



*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*