PENRAY BELT DRESSING
Safety Data Sheet
Date of issue: 06/25/2014    Revision date: 06/25/2014    Version: 1.0

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

1.1. Product identifier
Product name : PENRAY BELT DRESSING
Product code : 4908

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

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

1.4. Emergency telephone number
Emergency number : (800) 373-6729
CHEMTREC (800) 424-9300
CIEMTREC International +1 (703) 527-3507 24 hr

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
GHS-US classification
Flammable Aerosol 1
Gases Under Pressure - Liquefied gas
Skin irritation 2
Reproductive toxicity 2 (developmental)
Specific target organ toxicity - Single exposure 3
Specific target organ toxicity - Repeated exposure 2
Aspiration hazard 1

2.2. Label elements
GHS-US labelling
Hazard pictograms (GHS-US) :

Signal word (GHS-US) : Danger
Hazard statements (GHS-US) :

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. Wash hands thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area. Do not breathe gas/mist/vapors/spray. If exposed or concerned: Get medical advice/attention. If on skin: Wash with plenty of water. Take off contaminated clothing and wash 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 in a well-ventilated place. 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

06/25/2014    EN (English)    Page 1
PENRAY BELT DRESSING
Safety Data Sheet

2.4. Unknown acute toxicity (GHS-US)
57 percent 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>
</table>
| Heptane, branched, cyclic and linear | (CAS No) 426260-76-8 | 60 - 100 | Flam. Liq. 2
|                             |                    |       | Skin Irrit. 2                               |
|                             |                    |       | STOT SE 3                                    |
|                             |                    |       | Asp. Tox. 1                                 |
| n-Heptane                   | (CAS No) 142-82-5  | 15 - 40 | Flam. Liq. 2
|                             |                    |       | Skin Irrit. 2                               |
|                             |                    |       | STOT SE 3                                    |
| Carbon dioxide              | (CAS No) 124-38-9  | 1 - 5 | Compressed gas                               |
| Toluene                     | (CAS Na) 105-88-3  | 0.5 - 3.5 | Flam. Liq. 2
|                             |                    |       | Acute Tox. 4 (Oral)                          |
|                             |                    |       | Skin Irrit. 2                               |
|                             |                    |       | Rep. 2                                       |
|                             |                    |       | STOT SE 3                                    |
|                             |                    |       | STOT RE 2                                    |
|                             |                    |       | Asp Tox 1                                    |
| Phenylethane                | (CAS No) 120-41-4  | < 0.1 | Flam. Liq. 2
|                             |                    |       | Acute Tox. 4 (Inhalation)                    |
|                             |                    |       | Skin Irr. 2                                 |
|                             |                    |       | Carc. 2                                      |
|                             |                    |       | Asp Tox 1                                    |

* 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, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical advice/attention 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 unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.

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

Symptoms/injuries after inhalation: May cause drowsiness, dizziness and central nervous system depression. May cause respiratory tract irritation.

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. 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, water spray, foam, carbon dioxide.

Unsuitable extinguishing media: Do not use a heavy water stream.

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.

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

09/25/2014 EN (English)
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). Vapors may be heavier than air and may travel along the ground to a distant ignition source and flash back. 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. Do no: 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. Do not breathe 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. Store in a 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>Heptane, branched, cyclic and linear (426260-76-6)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>USA ACGIH</td>
<td>ACGIH TWA</td>
</tr>
<tr>
<td>USA OSHA</td>
<td>OSHA PEL (TWA)</td>
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</table>

<table>
<thead>
<tr>
<th>n-Heptane (142-82-5)</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>USA ACGIH</td>
<td>ACGIH TWA (ppm)</td>
</tr>
<tr>
<td>USA ACGIH</td>
<td>ACGIH STEL (ppm)</td>
</tr>
<tr>
<td>USA OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
</tr>
<tr>
<td>USA OSHA</td>
<td>OSHA PEL (TWA) (ppm)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Carbon dioxide (124-38-9)</th>
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</thead>
<tbody>
<tr>
<td>USA ACGIH</td>
<td>ACGIH TWA (ppm)</td>
</tr>
<tr>
<td>USA ACGIH</td>
<td>ACGIH STEL (ppm)</td>
</tr>
<tr>
<td>USA OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
</tr>
<tr>
<td>USA OSHA</td>
<td>OSHA PEL (TWA) (ppm)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Toluene (108-88-3)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>USA ACGIH</td>
<td>ACGIH TWA (ppm)</td>
</tr>
<tr>
<td>USA OSHA</td>
<td>OSHA PEL (TWA) (ppm)</td>
</tr>
<tr>
<td>USA OSHA</td>
<td>OSHA PEL (Ceiling) (ppm)</td>
</tr>
</tbody>
</table>
PENRAY BELT DRESSING  
Safety Data Sheet  

<table>
<thead>
<tr>
<th>Phenylethane (100-41-4)</th>
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<tbody>
<tr>
<td>USA ACGIH</td>
<td>ACGIH TWA (ppm)</td>
</tr>
<tr>
<td>USA OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
</tr>
<tr>
<td>USA OSHA</td>
<td>OSHA PEL (TWA) (ppm)</td>
</tr>
</tbody>
</table>

3.2. 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: A NIOSH approved respirator is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. 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. Environment 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 8: Physical and chemical properties  
9.1. Information on basic physical and chemical properties  
Physical state: Gas/Pressurized Liquid.  
Appearance: Clear.  
Colour: Colourless.  
Odour: Solvent.  
Odour threshold: No data available.  
P H: 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: 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: 0.751 - 0.762  
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.

08/25/2014 EN (English)
PENRAY BELT DRESSING
Safety Data Sheet

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. Strong reducing 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

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

**4908**
- LD50 oral rat: > 2000 mg/kg
- LD50 dermal rabbit: > 2000 mg/kg
- LC50 inhalation rat (mg/l): > 5 mg/l/4h

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

**Toluene (108-88-3)**
- LD50 oral rat: > 5000 mg/kg
- LD50 dermal rat: 12124 mg/kg
- LD50 dermal rabbit: 8390 mg/kg
- LC50 inhalation rat (mg/l): 28.1 mg/l/4h

**Phenylethane (100-41-4)**
- LD50 oral rat: 3500 mg/kg
- LD50 dermal rabbit: 15354 mg/kg
- LC50 inhalation rat (mg/l): 17.2 mg/l/4h

- Skin corrosion/irritation: Causes skin irritation.
- Serious eye damage/irritation: Causes serious eye irritation.
- 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.

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

**Phenylethane (100-41-4)**
- IARC group: 2B - Possibly carcinogenic to humans
- National Toxicity Program (NTP) Status: 1 - Evidence of Carcinogenicity

- Reproductive toxicity: Suspected of damaging the unborn child.
- Specific target organ toxicity (single exposure): May cause drowsiness or dizziness.
- Specific target organ toxicity (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, dizziness and central nervous system depression. May cause respiratory tract irritation.
- 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.

06/25/2014 EN (English)
PENRAY BELT DRESSING
Safety Data Sheet

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
4908
Persistence and degradability: Not established.

12.3. Bioaccumulative potential
4908
Bioaccumulative potential: Not established.

12.4. Mobility in soil
No additional information available.

12.6. Other adverse effects
Effect on ozone layer: No additional information available.
Effect on the global warming: No known ecological damage caused by 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 vapours may accumulate in the container. Do not incinerate closed containers.

SECTION 14: Transport information

In accordance with DOT

14.1. UN number
UN-No.: UN1950

14.2. UN proper shipping name
Proper Shipping Name: Aerosols, flammable, Limited Quantity
Hazard Classes: 2.1
Hazard labels:

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
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.

Toluene (108-88-3)
Listed on SARA Section 313 (Specific toxic chemical listings)
SARA Section 313 - Emission Reporting: 1.0 %

Phenylethane (100-41-4)
Listed on SARA Section 313 (Specific toxic chemical listings)
SARA Section 313 - Emission Reporting: 0.1 %

08/25/2014 EN (English)
15.2. US State regulations

| 4908 | State or local regulations | This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. |

SECTION 16: Other information

- Indication of changes: None
- Date of issue: 06/25/2014
- Other information: None.
- NFPA health hazard: 2
- NFPA fire hazard: 4
- NFPA reactivity: 0

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.