# SAFETY DATA SHEET

According to 29 CFR 1910.1200(g)

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

<table>
<thead>
<tr>
<th>1.1. Product identifier</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product name</strong></td>
<td>PROTAL 7125 Part B (Hardener)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1.2. Relevant identified uses of the substance or mixture and uses advised against</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Use</strong></td>
<td>Industrial use as a protective coating in prevention of corrosion.</td>
</tr>
<tr>
<td><strong>Restricted Use</strong></td>
<td>Not intended for use by general public.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1.3. Details of the supplier of the safety data sheet</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Company</strong></td>
<td>Denso North America</td>
</tr>
<tr>
<td><strong>Address</strong></td>
<td>9747 Whithorn Drive Houston, TX 77095</td>
</tr>
<tr>
<td><strong>Web</strong></td>
<td><a href="http://www.densona.com">www.densona.com</a></td>
</tr>
<tr>
<td><strong>Telephone</strong></td>
<td>1 (281) 821-3355</td>
</tr>
<tr>
<td><strong>Fax</strong></td>
<td>1 (281) 821-0304</td>
</tr>
<tr>
<td><strong>Email</strong></td>
<td><a href="mailto:info@densona.com">info@densona.com</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1.4. Emergency telephone number</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Emergency telephone number (24 Hour)</strong></td>
<td>1-801-629-0667</td>
</tr>
</tbody>
</table>

## SECTION 2: Hazards Identification

<table>
<thead>
<tr>
<th>2.1. Classification of the substance or mixture</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2.1.1. Health</strong></td>
<td>Organic Peroxide – Category E</td>
</tr>
<tr>
<td></td>
<td>Eye Irritant – Category 2</td>
</tr>
<tr>
<td></td>
<td>Skin Sensitizer</td>
</tr>
<tr>
<td><strong>2.1.2. Environmental</strong></td>
<td>Acute Aquatic Toxicity – Category 1</td>
</tr>
<tr>
<td><strong>2.1.3. Physical</strong></td>
<td>None</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2.2. Label elements</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hazard pictograms</strong></td>
<td></td>
</tr>
<tr>
<td><img src="flame.png" alt="Flame Icon" /></td>
<td><img src="exclamation.png" alt="Exclamation Mark Icon" /></td>
</tr>
<tr>
<td><img src="tree.png" alt="Tree Icon" /></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Signal Word</strong></th>
<th>Warning</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hazard statement</strong></td>
<td>H242 – Heating may cause a fire.</td>
</tr>
<tr>
<td></td>
<td>H317 – May cause an allergic skin reaction.</td>
</tr>
<tr>
<td></td>
<td>H319 – Causes serious eye irritation.</td>
</tr>
<tr>
<td></td>
<td>H400 – Very toxic to aquatic life.</td>
</tr>
</tbody>
</table>
Precautionary Statement: Prevention

P102 – Keep out of reach of children.
P202 – Do not handle until all safety precautions have been read and understood.
P220 – Keep/Store away from clothing, strong acids/bases, heavy metal salts and other reducing substances/combustible materials.
P233 – Keep container tightly closed.
P234 – Keep only in original container.
P235 – Store in a well ventilated place. Keep cool.
P262 – Do not get in eyes, on skin, or on clothing.
P264 – Wash thoroughly after handling.
P270 – Do not eat, drink, or smoke when using this product.
P272 – Contaminated work clothing should not be allowed out of the workplace.
P273 – Avoid release to the environment.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statement: Response

P301+P310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+P352 – IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314 – Get medical advice/attention if you feel unwell.
P333+P313 – If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 – If eye irritation persists: Get medical advice/attention.
P363 – Wash contaminated clothing before reuse.
P391 – Collect spillage.

Precautionary Statement: Disposal

P501 – Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 3: Composition/information on ingredients

3.1. Substances

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Concentration (%w/w)</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dibenzoyl Peroxide</td>
<td>94-36-0</td>
<td>15-30%</td>
<td>Org Perox B; H241</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Irr 2; H319</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Sens 1; H317</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Aqua Acute 1; H400</td>
</tr>
<tr>
<td>Diisononyl phthalate</td>
<td>28553-12-0</td>
<td>20-40%</td>
<td>None</td>
</tr>
<tr>
<td>Soda Lime Borosilicate Glass</td>
<td>65997-17-3</td>
<td>1-15%</td>
<td>(1)</td>
</tr>
<tr>
<td>NOTES:</td>
<td></td>
<td></td>
<td>(1) Substance with a workplace exposure limit.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(2) Product is a paste. Dibenzoyl peroxide is a solid dispersed within the paste.</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. General advice

Seek medical advice. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.
4.2. Eye contact
Immediately flush eyes with plenty of water for at least 15 minute, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention.

4.3. Skin contact
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse. For contact with hot product, flush contaminated skin with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze. Get medical attention immediately.

4.4. Ingestion
Wash out mouth with water. Remove dentures, if any. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposure person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

4.5 Inhalation
Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt, or waistband.

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

| Eye contact | Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. |
| Skin contact | May cause allergic skin reaction or sensitization. Symptoms may include itching, redness, edema, and drying of the skin. |
| Ingestion | May cause abdominal pain, nausea, vomiting, or diarrhea. |
| Inhalation | Unlikely to produce symptoms or effects under normal conditions. |

**SECTION 5: Firefighting measures**

5.1. Suitable extinguishing media
Alcohol-resistant foam, Carbon dioxide (CO2), Dry chemical, or water spray. Do not use a solid water stream as it may scatter and spread fire.
5.2. Specific hazards  Decomposition products may include the following materials: carbon oxides. Downwind personnel must be evacuated. Burning produces noxious and toxic fumes.

5.3. Special protective equipment for fire-fighters  Avoid contact with skin. Fire-fighters should wear appropriate personal protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

5.4. Further information  Do not allow run-off from fire-fighting to enter drains or water courses. Keep product away from heat sources.

SECTION 6: Accidental release measures

6.1. Personal precautions  No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled materials. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

6.2. Environmental precautions  Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3. Methods for cleaning up  Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Use absorbent with inert material. Vacuum or sweep up material and place in a designated, labeled water container. Dispose of via a licensed, waste-disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

6.4. Additional advice  Stop leak if without risk.

SECTION 7: Handling and storage

7.1. Handling  Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking or smoking. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Keep product away from heat sources.

7.2. Storage  Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep aware from heat. Keep
SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>8.1.1. Exposure Limit Values</th>
<th>CAS No.</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>94-36-0</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td></td>
<td>28553-12-0</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>65997-17-3</td>
<td>10 mg/m³ (dust, Manufacturer determined)</td>
</tr>
</tbody>
</table>

8.2. Control measures / Personal Protection

8.2.1. Recommended monitoring procedures

To meet the exposure limits for the materials listed above, personal workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

8.2.2. Engineering measures

Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

8.2.3. Hygiene measures

Wash hands, forearms, and face after handling chemical products, before eating, smoking or using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing or discard as necessary. Ensure that eyewash stations/bottles with pure water and safety showers are close to the workstation location.

8.2.4. Respiratory protection

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. 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. Select equipment to provide protection from the ingredients in Section 3 of this document.

8.2.5. Eye protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. This may include, but is not limited to, safety glasses, goggles and face shields.

8.2.6. Skin protection

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. This equipment may include, but is not limited to, impervious...
gloves, gauntlets, impervious shoes/boots, and protective clothing. The breakthrough time of the selected protective glove(s), shoes and clothing must be greater than the intended use period.

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. Environmental exposure controls may also include dikes or other liquid containment devices.

### SECTION 9: Physical and chemical properties

<table>
<thead>
<tr>
<th>Form</th>
<th>Paste</th>
<th>Vapor Pressure</th>
<th>ND</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Black</td>
<td>Relative vapor density</td>
<td>&gt;1</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild</td>
<td>Relative density</td>
<td>0.99</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>ND</td>
<td>Water solubility</td>
<td>Slight</td>
</tr>
<tr>
<td>pH</td>
<td>about 7</td>
<td>Partition coefficient (n-octanol/water)</td>
<td>ND</td>
</tr>
<tr>
<td>Freezing point</td>
<td>ND</td>
<td>Auto-ignition temperature</td>
<td>ND</td>
</tr>
<tr>
<td>Boiling point</td>
<td>ND</td>
<td>Decomposition temperature</td>
<td>ND</td>
</tr>
<tr>
<td>Flash Point</td>
<td>ND</td>
<td>Viscosity</td>
<td>15,000 cP @ 73°F (22°C)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>N/A</td>
<td>Oxidizing</td>
<td>N/A</td>
</tr>
<tr>
<td>Flammable Limits</td>
<td>ND</td>
<td>Explosion Limits</td>
<td>ND</td>
</tr>
</tbody>
</table>

### SECTION 10: Stability and reactivity

**10.1 Stability**

The product is stable. Under normal conditions of storage and use, hazardous polymerization/decomposition will not occur.

**10.2. Conditions to avoid**

Avoid heat, open flames, direct sunlight, prolonged storage above 100°F (38°C), and contamination from incompatible materials.

**10.3. Materials to avoid**

Reactive or incompatible with the following materials: Strong acids and bases, heavy metals and heavy metal salts, reducing agents, avoid impurities (e.g. rust, dust, ash) – risk of decomposition.

**10.4. Other hazards**

Reacts with considerable heat release.

**10.5. Hazardous decomposition products**

Decomposition products may include the following materials: Carbon oxides; irritating, caustic, flammable, noxious/toxic gases, vapors, or fumes can develop.

### SECTION 11: Toxicological information

**11.1. Acute health hazard**

**Product:**

- Acute oral toxicity: ND
- Acute dermal toxicity: ND

**Components:**

- 94-36-0
- Acute oral toxicity: LD50 (rat): >5,000 mg/kg
### 11.2. Skin corrosion or irritation

**Product:** Not irritating or corrosive to skin based on components.

**Components:**
94-36-0
Species: adult rabbit
Result: No skin irritation or corrosion

28553-12-0
Result: None known.

65997-17-3
Result: None known.

### 11.3. Serious eye damage or irritation

**Product:** Likely to cause severe eye irritation based on components.

**Components:**
94-36-0
Species: rabbit
Result: Irritation to eyes, reversing within 21 days
Method: OECD Test Guideline 405

28553-12-0
Result: None known.

65997-17-3
Result: None known.

### 11.4. Respiratory or skin sensitization

**Product:** May cause skin sensitization in susceptible persons based on components.

**Components:**
94-36-0
Species: mouse
Result: May causes skin sensitization by skin contact.
Method: OECD Test Guideline 429
### 11.5. Germ cell mutagenicity

**Product:** Not likely to be mutagenic based on components.

**Components:**
- 28553-12-0
  - Result: None known.
- 65997-17-3
  - Result: None known.

**Species:** Salmonella typhimurium

**Result:** Negative

**Method:** OECD Test Guideline 471

**Remarks:** Classification not possible

### 11.6. Carcinogenicity

**Product:** Not classifiable as a human carcinogen based on components.

**Components:**
- 94-36-0
  - Result: Animal testing did not show any carcinogenic effects.

**Remarks:** Classification not possible

**Remarks:** Some positive data exist, but the data are not sufficient for classification.

### 11.7. Reproductive toxicity

**Product:** Not classifiable as a reproductive toxin based on components.

**Components:** None of the components is known to have significant reproductive effects.

### 11.8. STOT – single exposure

**Product:** No data available, but irritation and/or sensitization to skin and eyes are likely– Skin, Eyes. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Components:** No data available. See Sections 11.2, 11.3, and 11.4 for specific information regarding the effects of the components.
### 11.9. STOT – repeated exposure

**Product:** No data available, but, based on components, may cause irritation and/or sensitization to skin and eyes are likely - Skin, Eyes. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

### 11.10. Repeated dose toxicity

**Product:** No data available, but, based on components, causes eye irritation and skin sensitization. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

### 11.11. Aspiration toxicity

**Product:** Not determined.

**Components:** Not determined.

### 11.12. Further information

Likely routes of exposure – skin and eye contact.

### SECTION 12: Ecological information

#### 12.1. Ecotoxicity

**Product:** Likely very toxic to aquatic life based on components present.

**Components:**

- 94-36-0
- Toxics: fish – 96 h LC50: 0.06 mg/L Species: Rainbow trout
- Toxics: daphnia and other aquatic invertebrates – 48 h LC50: 0.11 mg/L
- Toxics: algae – 72 h LC50: 0.07 mg/L Species: Green algae
- Toxics: bacteria – 30 m EC50: 35 mg/L Species: Activated sludge

28553-12-0 Remarks: No data available.

65997-17-3 Remarks: No data available.

#### 12.2. Persistence and degradability

**Product:** No data available

**Components:**

- 94-36-0
- Result: Biodegradable
- Biodegradation: 68%
- Exposure time: 28 d
- Method: OECD Test Guideline 301D

28553-12-0 Remarks: No data available.

65997-17-3 Remarks: No data available.
12.3. Bioaccumulative potential

**Product:** No data available

**Components:** Not determined.

12.4. Mobility in soil

**Product:** Not determined.

**Components:** Not determined.

12.5. Other adverse effects

**Product:** Not determined. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal, toxic to aquatic life.

**Components:** No data available

### SECTION 13: Disposal considerations

13.1. Waste disposal

The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional and local authority requirements. Avoid disposal of spilled material and runoff and contaminated soils in waterways, drains or sewers. Dispose of contaminated containers, soils, etc. in compliance with the requirements of environmental protection and waste disposal legislation and any regional and local authority requirements. Empty any remaining contents from packaging prior to disposal and dispose of as unused product. Do not reuse empty containers.

### SECTION 14: Transport information

14.1. UN number

UN3108

14.2. UN proper shipping name

ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE)

14.3. Transport hazard class

- **International Carriage of Dangerous Good by Road/Rail:** ADR/RID: 5.2
- **International Maritime Dangerous Goods:** IMDG: 5.2
SAFETY DATA SHEET
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14.4. Packing group
II

14.5. Environmental hazards

<table>
<thead>
<tr>
<th>Environmental hazards: Yes</th>
<th>Marine pollutant: Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMDG</td>
<td>F-J S-R</td>
</tr>
</tbody>
</table>

IATA Packing Instruction (Cargo): 570 Maximum quantity: 25 kg
IATA Packing instruction (Passenger): 570 Maximum quantity: 10 kg

SECTION 15: Regulatory information

15.1. OSHA Hazards
Organic Peroxide, Sensitizer, Irritant

15.2. CERCLA Reportable Quantity
Components

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Component RQ</th>
<th>Product RQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

15.3. SARA 314 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 314 Extremely Hazardous Substances RQ.

15.4. SARA 311/312 Hazards
Reactivity hazard, Acute health hazard

15.5. SARA Title III, Section 302 Reporting
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

15.6. SARA Title III, Section 313 Reporting
The following chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313:

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dibenzoyl peroxide</td>
<td>94-36-0</td>
</tr>
</tbody>
</table>

15.7. Clean Air Act
The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61): None.

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMII Intermediate or Final VOC’s (40 CFR 60.489): None.

15.8. Clean Water Act
The following Hazardous Substances are listed under the U.S. Clean Water Act, Section 311, Table 116.4A: None.
The following Hazardous Substances are listed under the U.S. Clean Water Act, Section 311, Table 117.3: None.

This product contains the following toxic pollutants listed under the U.S. Clean Water Act, Section 307: None.

Massachusetts Right-To-Know
- Dibenzoyl peroxide 94-36-0

Pennsylvania Right-To-Know
- Dibenzoyl peroxide, Diisononyl phthalate 94-36-0, 28553-12-0
- New Jersey Right-To-Know
  - Dibenzoyl peroxide, Diisononyl phthalate 94-36-0, 28553-12-0

California Prop 65
WARNING! This product contains a chemical known to the State of California to cause cancer.
- Diisononyl phthalate 28553-12-0

15.10. International Chemical Inventory Listing
- TSCA (US) Yes (All components of this product are on US inventory)
- DSL (Canada) Yes (All components of this product are on Canadian inventory)
- AICS (Australia) Yes (On Australian inventory or in compliance with inventory)
- ICS (New Zealand) Yes (On New Zealand inventory or in compliance with inventory)
- ENCS (Japan) Yes (On Japanese inventory or in compliance with inventory)
- ISHL (Japan) Yes (On Japanese inventory or in compliance with inventory)
- KECI (Korea) Yes (On Korean inventory or in compliance with inventory)
- PICCS (Philippines) Yes (On Philippine inventory or in compliance with inventory)
- IECSC (China) Yes (On Chinese inventory or in compliance with inventory)

15.11. WHMIS Hazard Classification (Canada)
- Class D-2B: Material causing other toxic effects (Toxic).
- Class C: Oxidizing material.
- Canadian NPRI: None required.

SECTION 16: Other information
16.1. NFPA

1  2  
1  2  OX
SAFETY DATA SHEET
According to 29 CFR 1910.1200(g)

16.2. HMIS®

<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEALTH</td>
<td>1</td>
</tr>
<tr>
<td>FLAMMABILITY</td>
<td>2</td>
</tr>
<tr>
<td>PHYSICAL HAZARD</td>
<td>1</td>
</tr>
<tr>
<td>PERSONAL PROTECTION</td>
<td>C</td>
</tr>
</tbody>
</table>

Caution: HMIS ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS ratings are not required on SDS’s under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS ratings are to be used with a fully implemented HMIS program. HMIS is a registered mark of the National Paint & Coatings Association (NPCA). HMIS materials may be purchased exclusively from J.J. Keller (800) 327-6868. The customer is responsible for determining the PPE code for this material.

16.3. Text of Risk phrases in Section 3
None.

16.4. Text of Hazard statements in Section 3
H242 – Heating may cause a fire.
H317 – May cause an allergic skin reaction.
H319 – Causes serious eye irritation.
H400 – Very toxic to aquatic life.

16.5. Notice to Reader
The information provided herein was believed by Denso North America (“Denso”) to be accurate at the time of preparation and prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use. All products supplied by Denso are subject to Denso’s terms and conditions of sale. DENTO MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MECHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY DENTSO, except that the product shall conform to Denso’s specifications. Nothing contained herein constitutes an offer for the sale of any product.

16.6. Key/Legend to abbrevations and acronyms used in the safety data sheet

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>American Conference Government Industrial Hygienists</td>
</tr>
<tr>
<td>ADR</td>
<td>European Agreement for International Carriage of Dangerous Materials Road</td>
</tr>
<tr>
<td>AICS</td>
<td>Australia, Inventory of Chemical Substances</td>
</tr>
<tr>
<td>DSL</td>
<td>Canada, Domestic Substances List</td>
</tr>
<tr>
<td>NDSL</td>
<td>Canada, Non-Domestic Substances List</td>
</tr>
<tr>
<td>CAS</td>
<td>Chemical Abstract Service</td>
</tr>
<tr>
<td>CNS</td>
<td>Central Nervous System</td>
</tr>
<tr>
<td>DOT</td>
<td>Department of Transportation</td>
</tr>
<tr>
<td>EC50</td>
<td>Effective Concentration 50%</td>
</tr>
<tr>
<td>EOSCA</td>
<td>EOSCA Generic Exposure Scenario Tool</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET
According to 29 CFR 1910.1200(g)

EOSCA  European Oilfield Specialty Chemicals Association
EINECS  European Inventory of Existing Chemical Substances
ENCS  Japan, Inventory Existing and New Chemical Substances
GHS  Global Harmonization System
HMIS  Hazardous Materials Identification System
IDLH  Immediately Dangerous to Life or Health Concentrations
IARC  International Agency for Research on Cancer
IATA  International Air Transport Association
IC50  Inhibition Concentration 50%
IECSC  Inventory of Existing Chemical Substances in China
IMDG  International Maritime Dangerous Goods
KECI  Korea, Existing Chemical Inventory
LC50  Lethal Concentration 50%
LD50  Lethal Dose 50%
LOAEL  Lowest Observed Adverse Effect Level
MAK  Germany Maximum Concentration Values
N/A  Not Available
ND  Not Determined
NFPA  National Fire Protection Agency
NIOSH  National Institute for Occupational Safety & Health
NOAEL  No Observable Adverse Effect Level
NOEC  No Observed Effect Concentration
NTP  National Toxicology Program
NZIoC  New Zealand Inventory of Chemicals
OSHA  Occupational Safety & Health Administration
PEL  Permissible Exposure Limit
PICCS  Philippines Inventory Commercial Chemical Substances
PRNT  Presumed Not Toxic
RCRA  Resource Conservation Recovery Act
RID  European Agreement for International Carriage of Dangerous Materials Rail
RQ  Reportable Quantity
SARA  Superfund Amendments and Reauthorization Act
STEL  Short-Term Exposure Limit
TDG  Transportation of Dangerous Goods (Canada)
TLV  Threshold Limit Value
TSCA  Toxic Substance Control Act
TWA  Time Weighted Average
UVCB  Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
WHMIS  Workplace Hazardous Materials Information System

16.7. Prepared by
Denso EH & S Department

16.8. Telephone
1-281-821-3355 Corporate
1-801-629-0667 Emergency (24 hour)