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## Section 1 - Chemical Product and Company Identification

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**Product Name:** RESTORE Engine Restorer & Lubricant

**Item# / UPC :** 00009 / 24631-00009, 00012 / 24631-00012, 00016 / 24631-00016

**Chemical Name:** Proprietary Hydrocarbon Blend of Severely Hydrotreated Heavy Naphthenic Distillate

**Chemical Family:** Petroleum Distillate

**Chemical Formula:** Not Applicable

**CAS Number:** None

**Other Designations:** Contains Mineral Oil

**Manufacturer:** Restore Inc. 3000 NE 30<sup>th</sup> Place, Fort Lauderdale FL 33306

**Company Contact:** 954-563-7001

### EMERGENCY TELEPHONE NUMBERS:

954-563-7001 Normal Business Hours

970-266-9732 After Business Hours

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## Section 2 - Composition / Information on Ingredients

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A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 blended with proprietary additives and other petroleum distillates.

| <u>Ingredient Name</u>                            | <u>CAS Number</u> | <u>% vol</u> |
|---------------------------------------------------|-------------------|--------------|
| Severely Hydrotreated Heavy Naphthenic Distillate | 64742-52-5        | 85-95        |
| Proprietary Blend                                 | Trade Secret      | 5-15         |

| <u>Ingredient</u>     | <u>OSHA PEL</u> |             | <u>ACGIH TLV</u> |             | <u>NIOSH REL</u> |             | <u>NIOSH</u> |
|-----------------------|-----------------|-------------|------------------|-------------|------------------|-------------|--------------|
|                       | <u>TWA</u>      | <u>STEL</u> | <u>TWA</u>       | <u>STEL</u> | <u>TWA</u>       | <u>STEL</u> | <u>IDLH</u>  |
| Severely Hydrotreated | 5 mg/m3         | none estab. | 5 mg/m3          | 10 mg/m3    | none estab.      | none estab. | none estab.  |
| Heavy Naphthenic      | (oil mist)      |             | (oil mist)       | (oil mist)  |                  |             |              |
| Petroleum Oil         |                 |             |                  |             |                  |             |              |

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## Section 3 - Hazards Identification

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### ◆◆◆◆Emergency Overview◆◆◆◆

Not Expected to cause a severe emergency hazard.

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### Potential Health Effects

**Primary Entry Routes:** Skin

**Inhalation:** Inhalation of vapors or mist may be irritating to respiratory passages. Target Organ for mineral oil mist is lungs. Prolonged exposure may result in dizziness and nausea.

**Eye:** Eye contact may result in slight irritation and redness.

**Skin:** Short term contact with skin is unlikely to cause any problems; excessive or prolonged and repeated contact and poor hygiene conditions may result in dryness, dermatitis, erythema, oil acne, cracking and defatting of the skin.

**Ingestion:** May result in nausea or stomach discomfort. Do not induce vomiting. Seek medical attention. See Section 11.

**Medical Conditions Aggravated by Long-Term Exposure:** Personnel with pre-existing skin disorders should avoid contact with this product.

## **RESTORE Engine Restorer & Lubricant**

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### **Section 4 - First Aid Measures**

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**Eye Contact:** Rinse immediately with warm water for 15 minutes, then seek medical advise.

**Skin Contact:** Wash thoroughly with soap and water. Remove contaminated clothing. Reuse only after cleaning.

**Inhalation:** Remove to fresh air. Assist breathing if necessary. Seek medical help.

**Aspiration:** If there is any suspicion of aspiration into the lungs seek medical help immediately.

**Ingestion:** May result in stomach discomfort or nausea. Do not induce vomiting. Seek medical attention immediately. See section 11.

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### **Section 5 - Fire-Fighting Measures**

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**Flash Point:** = 355 °F (180 °C)

**Flash Point Method:** COC

**Burning Rate:** Not available

**Autoignition Temperature:** > 600 °F (> 315 °C)

**Lower Explosive Level (LEL):** Not determined

**Upper Explosive Limit (UEL):** Not determined

**Flammability Classification:** OSHA Class III-B Combustible Liquid

**Extinguishing Media:** Halon, dry chemical, foam, CO2 and water mist or fog. Water may be used to cool below flash point.

**Unusual Fire or Explosion Hazards:** Do not use forced stream as this could cause fire to spread.

**Combustion Products:** Fumes, smoke and carbon monoxide.

**Fire-Fighting Instructions and Equipment:** Use water to cool containers exposed to flames. Do not enter enclosed or a confined work space without proper protective equipment. Fire fighting personnel should wear respiratory protection (positive pressure if available).

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### **Section 6 - Accidental Release Measures**

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**Spill /Leak Procedures:** Stop spill at source if possible without risk. Contain spill. Eliminate sources of ignition. Spill area will be slick. Recover all possible material for reclamation. Use non-flammable absorbent material to pick up remainder of spill.

**Spill to Navigable Waters:** If this material is spilled into navigable waters and creates a visible sheen, it is reportable to the National Response Center.

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### **Section 7 - Handling and Storage**

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**Handling and Storage Precautions:** Keep away from flames, sparks or hot surfaces. Never use a torch to cut or weld on or near container. Empty oil containers can contain explosive vapors. NFPA Class IIIB storage. Wash thoroughly after handling.

**Work / Hygienic Practices:** Wash hands with soap and water before eating, drinking, smoking or use of toilet facilities. Do not use gasoline, solvents, kerosene, or harsh abrasive skin cleaners for washing exposed skin areas. Take a shower after work if general contact occurs. Remove oil-soaked clothing and launder before reuse. Discard contaminated shoes and leather gloves.

**Shelf Life:** Product should be stored in clean, dry containers at ambient temperatures and it should remain stable with exception of slight color stability loss unless it is contaminated.

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### **Section 8 - Exposure Controls / Personal Protection**

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**Engineering Controls:** Adequate ventilation is required where excessive heating or agitation may occur to maintain concentration below exposure limits.

**Eye / Face Protection:** Safety glasses or face shield where splashing is possible.

**Skin Protection:** As needed to prevent repeated skin contact. Solvent resistant gloves should be used if needed.

**Respiratory Protection:** Not Normally Needed. Respirator should be used in areas where vapor concentrations are excessive due to high temperatures or where oil misting occurs.

## **RESTORE Engine Restorer & Lubricant**

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### **Section 9 - Physical and Chemical Properties**

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**Physical State:** Viscous Liquid  
**Appearance:** Opaque  
**Color:** Blue  
**Odor:** Mild Petroleum Odor  
**Odor Threshold:** Not determined  
**Vapor Pressure:** Not determined  
**Vapor Density (Air=1):** > 5  
**Specific Gravity (H<sub>2</sub>O=1):** 0.95

**Water Solubility:** Nil  
**Boiling Point:** 500-1100°F (260-595°C)  
**Melting Point:** 0°F (-20°C)  
**% Volatile:** Nil (LVP-VOC)  
**Evaporation Rate:** Not available  
**pH:** Not applicable

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### **Section 10 - Stability and Reactivity**

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**Stability:** Stable  
**Polymerization:** Polymerization will not occur.  
**Chemical Incompatibilities:** Strong Oxidizers.  
**Conditions to Avoid (Stability):** Sources of ignition.  
**Hazardous Decomposition Products:** Combustion products include carbon dioxide and carbon monoxide.

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### **Section 11- Toxicological Information**

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**Acute Toxicity:** Low order of acute oral and dermal toxicity with exposure to small amounts.  
**Acute Oral Effects:** Low order of acute oral toxicity for ingestion of small amounts ( < 30ml ) Can be acutely toxic if large amount is ingested. ( > 5 ml per Kg of body weight )  
**Acute Inhalation Effects:** Low acute toxicity expected on inhalation.  
**Eye Irritation:** Minimal irritation on contact. Eye irritation slight or practically non-irritating based on similar products.  
**Skin Effects:** Practically non-toxic if absorbed. Other similar highly refined products have not shown skin tumors in mouse skin painting studies.  
**Skin Irritation:** May cause mild irritation with prolonged and repeated exposure.  
**Skin Sensitization:** Skin sensitization is indicated as non-sensitizing based on data from similar products.

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### **Section 12 - Ecological Information**

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**Aquatic Release:** Advise authorities if product has entered or may enter watercourses or sewer drains.

**Ecotoxicity:** Available data indicate this product is not acutely toxic for small spills.

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### **Section 13 - Disposal Considerations**

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Follow Federal, State, and Local regulations. RCRA criteria must be determined. Do not flush to drain / storm sewer. Contract to authorized disposal service. Consider recycling.

## **RESTORE Engine Restorer & Lubricant**

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### **Section 14 - Transport Information**

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**DOT Classification:** Not regulated as a hazardous material for transport.  
Freight description : PETROLEUM LUBRICATING OIL

**IMDG Classification:** Not regulated as dangerous goods for transport.

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### **Section 15 - Regulatory Information**

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|                                                    |                                                                                                                                                                   |    |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| CERCLA / SARA                                      |                                                                                                                                                                   |    |
| 302/303/304 Categories:<br>(40 CFR 355 Appendix A) | Extremely Hazardous Substances                                                                                                                                    | No |
| 311/312 Categories:<br>(40 CFR 370)                | Immediate (Acute) Health Effects                                                                                                                                  | No |
|                                                    | Delayed (Chronic) Health Effects                                                                                                                                  | No |
|                                                    | Fire Hazard                                                                                                                                                       | No |
|                                                    | Sudden Release of Pressure Hazard                                                                                                                                 | No |
|                                                    | Reactivity Hazard                                                                                                                                                 | No |
| Clean Air Act:                                     | Hazardous Air Pollutants (HAPS)                                                                                                                                   | No |
|                                                    | Ozone Depleting Compounds (ODC)                                                                                                                                   | No |
| Clean Water Act:<br>(40 CFR 116; 401.15)           | If spilled into navigable waters it is reportable to National Response Center, 800-424-8802<br>Reportable Quantity = Oil Sheen present on navigable water surface |    |
| OSHA (29 CFR 1910):                                | This product is not hazardous under Hazard Communication Standard 29 CFR 1910.1200                                                                                |    |
| RCRA (40 CFR 261.33)                               | This product does not meet hazardous waste criteria.                                                                                                              |    |
| EPA/TSCA Inventory:                                | The components of this product are listed on the EPA/TSCA inventory of chemicals.<br>CAS No. 64742-52-5                                                           |    |

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### **Section 16 – Other Information**

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|                           |                   |                 |
|---------------------------|-------------------|-----------------|
| <b>NFPA Hazard Rating</b> | <b>Health</b>     | <b>1 Slight</b> |
|                           | <b>Fire</b>       | <b>1 Slight</b> |
|                           | <b>Reactivity</b> | <b>0 Least</b>  |

|                           |            |
|---------------------------|------------|
| <b>HMIS Hazard Rating</b> | <b>H=1</b> |
|                           | <b>F=1</b> |
|                           | <b>R=0</b> |

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