**STP® FUEL SYSTEM CLEANER FOR ETHANOL FUELS**

**Material Safety Data Sheet**

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**II Health Hazard Data**

| Eye and skin irritant. Vapors or mists may cause irritation to the eyes, nose, throat, and respiratory tract. Repeated or prolonged exposure to vapor concentrations above the worker exposure limits may cause central nervous system depression (e.g., dizziness, weakness, nausea, headaches, unconsciousness, and/or death). Small amounts of liquid aspirated into the lungs can cause chemical pneumonitis, which can be fatal. Besides being an aspiration hazard, ingestion may cause gastrointestinal disturbances (e.g., irritation, nausea, vomiting, and diarrhea) and central nervous system depression. Preexisting eye, skin, and respiratory disorders may be aggravated by exposure to this product. |

**FIRST AID:** Rinse with water for 15 minutes. If irritation persists, call a doctor.

**SKIN CONTACT:** Wash with soap and water. If irritation persists, call a doctor.

**INGESTION:** Do not induce vomiting. Immediately call a doctor or poison control center.

**INHALATION:** Move to fresh air. If breathing problems develop, call a doctor.

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**III Hazardous Ingredients**

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Concentration</th>
<th>Worker Exposure Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum naphtha, light aromatic</td>
<td>25 - 50%</td>
<td>2000 mg/m³ - PEL†</td>
</tr>
<tr>
<td>Proprietary additive</td>
<td>25 - 50%</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Kerosene</td>
<td>10 - 20%</td>
<td>200 mg/m³ - skin - TLV-TWA†</td>
</tr>
<tr>
<td>1,2,4-Trimethylbenzene</td>
<td>10 - 20%</td>
<td>25 ppm - TLV-TWA†</td>
</tr>
<tr>
<td>1,3,5-Trimethylbenzene</td>
<td>5 - 10%</td>
<td>25 ppm - TLV-TWA†</td>
</tr>
<tr>
<td>Propylene</td>
<td>5 - 10%</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>1,2,3-Trimethylbenzene</td>
<td>1 - 5%</td>
<td>25 ppm - TLV-TWA†</td>
</tr>
<tr>
<td>Xylene</td>
<td>1 - 5%</td>
<td>100 ppm - TLV-TWA†</td>
</tr>
<tr>
<td>Cumene</td>
<td>1 - 5%</td>
<td>150 ppm - TLV-TWA†</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>&lt; 1%</td>
<td>10 ppm - skin - TLV-TWA†</td>
</tr>
</tbody>
</table>

Note that skin contact can contribute to overall exposure.

- TLV-TWA = ACGIH Threshold Limit Value - Time Weighted Average
- PEL = OSHA Permissible Exposure Limit - Time Weighted Average
- TLV-STEL = ACGIH Threshold Limit Value - Short Term Exposure Limit
- *Based on the exposure limit for petroleum distillates.
- *Based on the exposure limit for trimethylbenzene (mixed isomers).

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**IV Special Protection and Precautions**

**Hygiene Practices:** Wash hands after direct contact. Do not wear product-contaminated clothing for prolonged periods.

**Engineering Controls:** Use local or general ventilation to minimize exposure to product vapors.

**Personal Protective Equipment:** Wear safety glasses. Wear chemical resistant (e.g., nitrile or neoprene) gloves if there is the potential for repeated or prolonged skin contact. In situations where exposure limits may be exceeded, a NIOSH-approved respirator is advised.

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**V Transportation and Regulatory Data**

**DOT:** Not restricted.

**UN:** UN1268, Petroleum distillates, n.o.s., Class 3, PG III.

**IMDG:** UN1268, Petroleum distillates, n.o.s. (petroleum naphtha), Class 3, PG III, limited quantity.

**EPA - SARA Title III/CERCLA:** This product is regulated under Sections 311/312. This product contains 1,2,4-trimethylbenzene, which is regulated under Section 313; naphthalene, xylene, and cumene, which are regulated under Section 313 and Section 304/CERCLA.

**TSCA 8(b):** All components of this product are either on the TSCA 8(b) Inventory or otherwise exempt from listing.

**TSCA 12(b):** This product is subject to TSCA 12(b) reporting requirements for the following material: Naphthalene - CAS # 91-20-3.

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**VI Spill Procedures/Waste Disposal**

| Spill Procedures: | CAUTION - COMBUSTIBLE. Eliminate potential sources of ignition. Absorb and containize. Prevent product from entering sewer or waterways by digging or impounding. Notify the National Response Center if a spill of any amount enters navigable waters, the contiguous zone, or adjoining shorelines. |

**Waste Disposal:** Dispose of in accordance with all applicable federal, state, and local regulations.

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**VII Reactivity Data**

Stable under normal use and storage conditions.

Avoid contact with strong oxidizing agents.

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**VIII Fire and Explosion Data**

| Flashpoint: 54°C (closed cup) |

**Fire Extinguishing Agents:** Dry chemical, carbon dioxide (CO₂), foam, or water spray.

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**IX Physical Data**

| Specific gravity (16°C): 0.91 |

Solubility in water: Negligible