## SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>3-Acetyl-2 5-Dimethylfuran</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Code:</td>
<td>A08190</td>
</tr>
<tr>
<td>Supplier:</td>
<td>Pfaltz &amp; Bauer, Inc.</td>
</tr>
<tr>
<td></td>
<td>172 E. Aurora Street</td>
</tr>
<tr>
<td></td>
<td>Waterbury, CT 06708 USA</td>
</tr>
<tr>
<td>Phone:</td>
<td>203 574-0075</td>
</tr>
<tr>
<td>Fax:</td>
<td>203 574-3181</td>
</tr>
<tr>
<td>Emergency Phone:</td>
<td>CHEMTREC, US: 1-800-424-9300</td>
</tr>
<tr>
<td></td>
<td>CHEMTREC, International: 1-703-527-3887</td>
</tr>
</tbody>
</table>

## SECTION 2: COMPOSITION/INFORMATION on INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name:</th>
<th>3-Acetyl-2 5-Dimethylfuran</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synonyms:</td>
<td>Not Available</td>
</tr>
<tr>
<td>CAS Number:</td>
<td>10599-70-9</td>
</tr>
<tr>
<td>MDL Number:</td>
<td>MFCD00010281</td>
</tr>
<tr>
<td>EC Number:</td>
<td>10599-70-9</td>
</tr>
<tr>
<td>Molecular Formula:</td>
<td>C₈H₁₀O₂</td>
</tr>
<tr>
<td>Molecular Weight:</td>
<td>138.16</td>
</tr>
</tbody>
</table>

## SECTION 3: HAZARDS IDENTIFICATION

**Acute Health Hazard:** Irritant to eyes, skin, mucous membranes and respiratory system. May be harmful by ingestion, inhalation or skin absorption.

**Chronic Health Hazard:** Not Available

**HMIS Rating:** H:0  F:2  P:0

**NFPA Rating:** H:0  F:2  R:0

To the best of our knowledge, the toxicological properties of this chemical have not been thoroughly investigated. Use appropriate procedures and precautions to prevent or minimize exposure.
SECTION 4: FIRST AID MEASURES

Eye Contact: Flush eyes with large amounts of water for fifteen minutes. Separate eyelids with fingers. If irritation persists, seek medical attention.

Skin Contact: Wash skin with soap and water. If irritation persists, seek medical attention.

Ingestion: Do not induce vomiting. Seek medical attention.

Inhalation: Move to a fresh air environment. Contact a physician if breathing becomes difficult.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: 79 ºC

Explosion Limits: Lower: Not Available
Upper: Not Available

Auto Ignition Temperature: Not Available

Extinguishing Media: Carbon dioxide, dry chemical powder, alcohol-resistant foam or water spray.

Protective Equipment: Wear self-contained respirator and fully protective impervious suit.

Specific Hazards: Emits hazardous fumes under fire conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES


Environmental Protection: Keep spills out of sewers and bodies of water. Dike and contain the spill with inert material. Absorb on sand, vermiculite or diatomite. Transfer material to a container for disposal or recovery. Ventilate area and wash spill site after material pickup is complete.

SECTION 7: HANDLING and STORAGE

Handling: Avoid breathing dust, vapor, mist or gas. Avoid contact with skin and eyes. Avoid prolonged or repeated exposure. Use only in a chemical fume hood. Open and handle container with care. Keep ignition sources away.
Storage: Store in a tightly closed container in a dry, well-ventilated place.

Storage Temperature: 15 - 30°C

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Wear appropriate protective eyeglass or chemical safety goggles. Eyewash facility in vicinity.

Skin: Wear impervious gloves and protective clothing.

Respiratory: Use a NIOSH approved respirator when exposure limits are exceeded or if irritation or other symptoms are experienced.

Exposure Limits:

<table>
<thead>
<tr>
<th>Country</th>
<th>Source</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA</td>
<td>ACGIH</td>
<td>TWA</td>
<td>Not Available</td>
</tr>
<tr>
<td>USA</td>
<td>OSHA</td>
<td>PEL</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

Appearance: Yellow liquid

Odor: Not Available

Melting Point: Not Available

Boiling Point: 62°C/0.25 mmHg

Density: 1.038g/cm³

Refractive Index, n²₀: 1.485

Viscosity: Not Available

Solubility in Water: Not Available

SECTION 10: STABILITY and REACTIVITY

Stability: Stable under normal temperatures and pressures.

Incompatibility: Strong oxidizing agents, strong bases.

SECTION 11: TOXICOLOGICAL INFORMATION

RTECS Reference: Not Available

Target Organs: Not Available

Toxicity Data: Not Available

SECTION 12: ECOLOGICAL INFORMATION

Not Available
SECTION 13: DISPOSAL CONSIDERATIONS

Contact a licensed professional waste disposal service. Dispose in a manner consistent with federal, state and local environmental regulations.

SECTION 14: TRANSPORT INFORMATION

DOT: Not Regulated
IATA: Not Regulated

SECTION 15: REGULATORY INFORMATION

United States:
Toxic Substance Control Act (TSCA): Not listed
Superfund Amendments and Reauthorization Act (SARA 302): Not listed
Superfund Amendments and Reauthorization Act (SARA 313): Not listed

European Union:
European Inventory of Existing Chemical Substances (EINECS): No. 234-216-3
Hazard Codes Not Available
Risk Statements Not Available
Safety Statements Not Available

Canada
Canadian Domestic Substances List (DSL): Not listed
Canadian Domestic Substances List (NDSL): Not listed

SECTION 16: OTHER INFORMATION

Date Prepared: MH 7/19/11

The information above is presented in good faith. It is believed to be accurate and represents the best information currently available to us. However we make no warranty with respect to such information and we assume no liability resulting from its use. The user should consider this information as a supplement to other information that may be available and make independent judgment to ensure proper use to protect the health and safety of employees and the environment. Pfaltz and Bauer shall not be held liable for any damage resulting from handling or from contact with the above product.