<table>
<thead>
<tr>
<th>Commodity</th>
<th>Material</th>
<th>Description</th>
<th>Long Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemicals 100045158</td>
<td>925 SOUVENIR, LIQUID</td>
<td>ADITIVE DRILLING FLUID; LIQUID FORM,NITROGEN FOR AIDING HYDROGEN SULFIDE SCAVENGING FOR USE IN WATER-BASED MUD AND INVERT EMULSION OIL-BASED MUD. WATER-BASED MUD ADDITIVES FOR APPLICATIONS WHERE THE IMPACT OF HYDROGEN SULFIDE IS A CONCERN. CODE: 22-10-1.</td>
<td>ADITIVE DRILLING FLUID; LIQUID FORM,NITROGEN FOR AIDING HYDROGEN SULFIDE SCAVENGING FOR USE IN WATER-BASED MUD AND INVERT EMULSION OIL-BASED MUD. WATER-BASED MUD ADDITIVES FOR APPLICATIONS WHERE THE IMPACT OF HYDROGEN SULFIDE IS A CONCERN. CODE: 22-10-1.</td>
</tr>
</tbody>
</table>
### Chemicals

**Secondary Emulsifier**
- **Description**: For invert emulsion additive drilling fluids, liquid blend of fatty acid, amino and methacrylic polymer blend of polyacrylamide. It is a liquid blend of fatty acid, amino and methacrylic polymer blend of polyacrylamide.
- **Specifications**: Properties include active ingredient, IUPAC name, molecular formula, and physical properties. The material is stable and effective at high temperatures up to 350°F.

**Primary Emulsifier**
- **Description**: For invert emulsion additive drilling fluids, clear blend of oxidized tall oil and polyacrylamide fatty acid. It is a blend of oxidized tall oil and polyacrylamide fatty acid and is designed to provide high dispersion properties.
- **Specifications**: Properties include active ingredient, IUPAC name, molecular formula, and physical properties. The material has an active ingredient of fatty acid and is stable at high temperatures up to 400°F.

**Polymers**
- **Description**: For invert emulsion additive drilling fluids, liquid blend of fatty acid and amino. It is a blend of fatty acid and amino and is designed to provide high dispersion properties.
- **Specifications**: Properties include active ingredient, IUPAC name, molecular formula, and physical properties. The material is stable and effective at high temperatures up to 350°F.

**Drilling Fluid Additives**
- **Description**: For invert emulsion additive drilling fluids, liquid blend of fatty acid and amino and is designed to provide high dispersion properties.
- **Specifications**: Properties include active ingredient, IUPAC name, molecular formula, and physical properties. The material is stable and effective at high temperatures up to 350°F.

**Organic Amendments**
- **Description**: For invert emulsion additive drilling fluids, liquid blend of fatty acid and amino and is designed to provide high dispersion properties.
- **Specifications**: Properties include active ingredient, IUPAC name, molecular formula, and physical properties. The material is stable and effective at high temperatures up to 350°F.

**Water-Soluble Mineral Additives**
- **Description**: For invert emulsion additive drilling fluids, liquid blend of fatty acid and amino and is designed to provide high dispersion properties.
- **Specifications**: Properties include active ingredient, IUPAC name, molecular formula, and physical properties. The material is stable and effective at high temperatures up to 350°F.

**Ammonium Bicarbonate**
- **Description**: For invert emulsion additive drilling fluids, liquid blend of fatty acid and amino and is designed to provide high dispersion properties.
- **Specifications**: Properties include active ingredient, IUPAC name, molecular formula, and physical properties. The material is stable and effective at high temperatures up to 350°F.

**Sour Tolerance Antioxidant**
- **Description**: For invert emulsion additive drilling fluids, liquid blend of fatty acid and amino and is designed to provide high dispersion properties.
- **Specifications**: Properties include active ingredient, IUPAC name, molecular formula, and physical properties. The material is stable and effective at high temperatures up to 350°F.

**Ammonium Bicarbonate**
- **Description**: For invert emulsion additive drilling fluids, liquid blend of fatty acid and amino and is designed to provide high dispersion properties.
- **Specifications**: Properties include active ingredient, IUPAC name, molecular formula, and physical properties. The material is stable and effective at high temperatures up to 350°F.