**FORMALIN 10% w/v**

**SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**SDBS Name:** Formalin Neutral Buffered 10% w/v

**CAS Numbers:** 144-62-7, 580-81-9, 201-76-1, 900-69-1, 5646-77-1, 10017-74-4

**Company Identity:** Fisher Scientific

**1 Regent Lane**

**Fairlawn, NJ 07410**

**OR Information:** call: 201-765-1100

**Emergency phone number:** 800-424-9300

**OSHA ASSISTANCE:** call: 1-800-354-4004

**International CHERTEC assistance:** call: 703-577-3887

**SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS**

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Chemical Name</th>
<th>%</th>
<th>EINECS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Formaldehyde</td>
<td>4.0</td>
<td>200-001-8</td>
</tr>
<tr>
<td></td>
<td>Methanol</td>
<td>1.0-2.0</td>
<td>200-555-0</td>
</tr>
<tr>
<td></td>
<td>Sodium phosphate</td>
<td>0.65</td>
<td>231-448-6</td>
</tr>
<tr>
<td></td>
<td>Sodium thiosulfate</td>
<td>91.9-92</td>
<td>231-792-1</td>
</tr>
<tr>
<td></td>
<td>Isopropyl alcohol</td>
<td>7.74</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Isopropanol</td>
<td>0.4</td>
<td></td>
</tr>
</tbody>
</table>

**Hazard Symbols:** XN, R22, R36/37/38

**Risk Phrases:** 20/21/22, 43/44, 45

**SECTION 3 - HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

**Appearance:** Clear liquid. **Flash Point:** 185 deg F. **Warning:** Read entire label. **Handling:** Read entire label. **Storage:** Read entire label. **Emergency:** Read entire label. **Fire Fighting:** Read entire label. **Extinguishing Media:** Read entire label. **Autoignition Temperature:** Not applicable. **Non-combustible materials:** Read entire label. **Flammability:** Read entire label. **Health:** Read entire label. **Physical:** Read entire label. **Toxicology:** Read entire label. **Environmental:** Read entire label. **Fire Fighting:** Read entire label. **Personal Protection:** Read entire label. **Transport:** Read entire label. **Risk:** Read entire label. **Emergency:** Read entire label. **Disposal:** Read entire label. **Seasonal protective gear:** Read entire label. **Ventilation:** Read entire label. **Protective equipment:** Read entire label. **Eyes:** Read entire label. **Skin:** Read entire label. **Respiratory:** Read entire label. **Ingestion:** Read entire label. **Inhalation:** Read entire label. **Nose:** Read entire label. **Ears:** Read entire label. **Skin:** Read entire label. **Respiratory:** Read entire label. **Ingestion:** Read entire label. **Inhalation:** Read entire label. **Nose:** Read entire label. **Ears:** Read entire label. **Skin:** Read entire label. **Respiratory:** Read entire label. **Ingestion:** Read entire label. **Inhalation:** Read entire label. **Nose:** Read entire label. **Ears:** Read entire label. **Skin:** Read entire label. **Respiratory:** Read entire label.
OSHA Vacated PELs:
Formaldehyde:
3 ppm TWA (unless specified in 1910.1048)
Methyl alcohol:
200 ppm TWA; 660 mg/m³ TWA

Sodium phosphate di basic:
No OSFA Vacated PELs are listed for this chemical.

Water:
No OSFA Vacated PELs are listed for this chemical.

Sodium phosphate, monobasic, monohydrate:
No OSFA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes:
Wear appropriate protective eyeglasses or chemical safety goggles as described by OSFA’s eye and face protection regulations in 29 CFR 1910.134 or European Standard EN166.

Skin:
Wear appropriate protective gloves to prevent skin exposure.

Clothing:
Wear appropriate protective clothing to prevent skin exposure.

Respirators:
Follow the OSFA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

**** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****

Physical State:
Liquid
Color:
Clear
Odor:
Strong odor - pungent odor

Vapor Pressure:
1.0

Vapor Density:
Not available.

Boiling Point:
202°F, 102°C

Freezing/Melting Point: 32°F, 0°C

Decomposition Temperature: Not applicable.

Specific Gravity/Density: 1.0

Molecular Formula: Mixture

Molecular Weight: 0

**** SECTION 10 - STABILITY AND REACTIVITY ****

Chemical Stability:
Stable under normal temperatures and pressures.

Conditions to Avoid:
Incompatible materials, ignition sources, excess heat, oxidizers.

Incompatibilities with Other Materials:
Diluting agents.

Hazardous Decomposition Products:
Carbon monoxide, irritating and toxic gases, irritating and toxic fumes and gases, carbon dioxide, formaldehyde.

Hazardous Polymerization:
Has not been reported.

**** SECTION 11 - TOXICOLOGICAL INFORMATION ****

RTEDC:
CAS#: 50-00-0; LP8925000
CAS#: 67-56-1; EC1400000
CAS#: 7588-79-4; WC8500000
CAS#: 7371-18-5; EC0700000
CAS#: 1210-3-5; EC0110000

LD50/ LC50:
Evaluation: Draize test, rabbit, eye: 750 µg/24H Severe; Draize test, rabbit, eye: 10 µg Severe; Draize test, rabbit, skin: 2 µg/24H Severe; Draize test, rabbit, skin: 50 µg/24H Moderate; Inhalation, mouse: LC50 = 454.

**** SECTION 12 - ECOLOGICAL INFORMATION ****

**** SECTION 13 - DISPOSAL CONSIDERATIONS ****

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste.

US Federal Hazardous Waste Classification:
CAS# 50-00-0 is listed on the TSCA inventory.
CAS# 7558-79-4 is listed on the TSCA inventory.
CAS# 1210-3-5 is listed on the TSCA inventory.

CAS# 10049-21-5 is not on the TSCA inventory because it is a hydride.

It is considered to be listed if the CAS number for the anhydrous form is on the inventory (44CFR922.3(u)(2)).

Waste & Safety Reporting List:
None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules:
None of the chemicals in this product are under a Chemical Test Rule. Section 126:

None of the chemicals are under TSCA Section 126.

None of the chemicals are on this material's SNUR under TSCA.

SARA:
CAS# 50-00-0; 100 lb fabric PG; 45.4 kg fabric RL.
CAS# 7558-79-4; 5000 lb fabric PG; 2270 kg fabric RL.
CAS# 1210-3-5; Extremely Hazardous Substances.
CAS# 50-00-0; 500 lb TET; 100 lb EPCA PG.

SARA Codes:
5.535

5.535