SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product name: Prevail-FX One Step Gel and Applicator Topical Patient Preoperative Skin Prep

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture: Broad spectrum antiseptic film forming skin preparation

1.3. Details of the supplier of the safety data sheet
CareFusion
75 N. Fairway Drive
Vernon Hills, IL 60061
T 800-523-0502 - F 855-329-6985

1.4. Emergency telephone number
Emergency number: For Hazardous Materials [or Dangerous Goods] Incident
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 CCN702157
Outside USA and Canada: +1 703-741-5970 (collect calls accepted)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
GHS-US classification
Flam. Liq. 2 H225
Eye Irrit. 2A H319
STOT SE 3 H336

2.2. Label elements
GHS-US labelling
Hazard pictograms (GHS-US):

Signal word (GHS-US): Danger
Hazard statements (GHS-US):
H225 - Highly flammable liquid and vapour
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
Precautionary statements (GHS-US):
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P233 - Keep container tightly closed
P240 - Ground/bond container and receiving equipment
P241 - Use explosion-proof electrical/ventilating/lighting/… equipment
P242 - Use only non-sparking tools
P243 - Take precautionary measures against static discharge
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray
P264 - Wash … thoroughly after handling
P271 - Use only outdoors or in a well-ventilated area
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P312 - Call a POISON CENTER/doctor/…/if you feel unwell
P337+P313 - If eye irritation persists: Get medical advice/attention
P370+P378 - In case of fire: Use … for extinction
P403+P233 - Store in a well-ventilated place. Keep container tightly closed
P403+P235 - Store in a well-ventilated place. Keep cool
P405 - Store locked up
P501 - Dispose of contents/container to …

2.3. Other hazards
No additional information available
2.4. Unknown acute toxicity (GHS US)
No data available

SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier (CAS No.)</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl alcohol</td>
<td>67-63-0</td>
<td>&gt; 72</td>
<td>Flam. Liq. 2, H225</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>16 - 17</td>
<td>Not classified</td>
</tr>
<tr>
<td>2-Pyrrolidinone, 1-ethenyl-, homopolymer, compound with iodine</td>
<td>25655-41-8</td>
<td>8 - 9</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation: Remove person to fresh air. If not breathing, administer CPR or artificial respiration. Get immediate medical attention.

First-aid measures after skin contact: If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.

First-aid measures after ingestion: If the material is swallowed, get immediate medical attention or advice. DO NOT induce vomiting unless directed to do so by medical personnel.

4.2. Most important symptoms and effects, both acute and delayed
No additional information available

4.3. Indication of any immediate medical attention and special treatment needed
No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media: None.

5.2. Special hazards arising from the substance or mixture
Fire hazard: Highly flammable liquid and vapor.
Explosion hazard: None known.

5.3. Advice for firefighters
Protection during firefighting: Firefighters should wear full protective gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
General measures: No special measures required.

6.1.1. For non-emergency personnel
No additional information available

6.1.2. For emergency responders
No additional information available

6.2. Environmental precautions
Avoid release to the environment.

6.3. Methods and material for containment and cleaning up
For containment: Stop the flow of material, if this is without risk.
Methods for cleaning up: Confine spill and soak up with absorbent. Place in an approved container and dispose in accordance with local, state and federal regulations.

6.4. Reference to other sections
No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling: Avoid contact with eyes.
7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Keep away from open flames, hot surfaces and sources of ignition. Keep from freezing.

7.3. Specific end use(s)
No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Isopropyl alcohol (67-63-0)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>USA ACGIH</td>
<td>ACGIH TWA (ppm)</td>
</tr>
<tr>
<td>USA ACGIH</td>
<td>ACGIH STEL (ppm)</td>
</tr>
<tr>
<td>USA OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
</tr>
<tr>
<td>USA OSHA</td>
<td>OSHA PEL (TWA) (ppm)</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

- Appropriate engineering controls: None required under normal product handling conditions.
- Hand protection: None required under normal product handling conditions.
- Eye protection: None required under normal product handling conditions.
- Skin and body protection: Wear suitable working clothes.
- Respiratory protection: None required under normal product handling conditions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state: Liquid
- Appearance: Clear.
- Colour: Light yellow.
- Odour: Fragrant
- Odour threshold: No data available
- pH: No data available
- Relative evaporation rate (butylacetate=1): < 1
- Melting point: No data available
- Freezing point: No data available
- Boiling point: No data available
- Flash point: No data available
- Self ignition temperature: No data available
- Decomposition temperature: No data available
- Flammability (solid, gas): No data available
- Vapour pressure: No data available
- Relative vapour density at 20 °C: No data available
- Specific gravity: 1.039
- Solubility: Water: Complete
- Log Pow: No data available
- Log Kow: No data available
- Viscosity, kinematic: No data available
- Viscosity, dynamic: No data available
- Explosive properties: No data available
- Oxidising properties: No data available
- Explosive limits: No data available

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
No additional information available

10.2. Chemical stability
The product is stable at normal handling- and storage conditions.
10.3. Possibility of hazardous reactions
Will not occur.

10.4. Conditions to avoid
None.

10.5. Incompatible materials
None known.

10.6. Hazardous decomposition products
Not determined.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity: Not classified

**2-Pyrrolidinone, 1-ethenyl-, homopolymer, compound with iodine (25655-41-8)**

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 8 g/kg</td>
</tr>
</tbody>
</table>

**Isopropyl alcohol (67-63-0)**

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>4396 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td>12800 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>12870 mg/kg</td>
</tr>
<tr>
<td>LC50 inhalation rat (mg/l)</td>
<td>72.6 mg/l (Exposure time: 4 h)</td>
</tr>
</tbody>
</table>

**Water (7732-18-5)**

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 90 ml/kg</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Not classified
Serious eye damage/irritation: Causes serious eye irritation.
Respiratory or skin sensitisation: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified

**Isopropyl alcohol (67-63-0)**

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>IARC group</td>
<td>3</td>
</tr>
</tbody>
</table>

Reproductive toxicity: Not classified
Specific target organ toxicity (single exposure): May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure): Not classified
Aspiration hazard: Not classified

SECTION 12: Ecological information

**Toxicity**

**Isopropyl alcohol (67-63-0)**

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fishes 1</td>
<td>9640 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>13299 mg/l (Exposure time: 48 h - Species: Daphnia magna)</td>
</tr>
<tr>
<td>EC50 other aquatic organisms 1</td>
<td>&gt; 1000 mg/l (Exposure time: 96 h - Species: Desmodesmus subspicatus)</td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>11130 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])</td>
</tr>
<tr>
<td>EC50 other aquatic organisms 2</td>
<td>&gt; 1000 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)</td>
</tr>
</tbody>
</table>

**Persistence and degradability**
No additional information available

**Bioaccumulative potential**

**Isopropyl alcohol (67-63-0)**

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Log Pow</td>
<td>0.05 (at 25 °C)</td>
</tr>
</tbody>
</table>

**Mobility in soil**
No additional information available
12.5. Other adverse effects
No additional information available

SECTION 13: Disposal considerations
13.1. Waste treatment methods
Waste disposal recommendations: Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14: Transport information
In accordance with DOT / ADR / RID / ADNR / IMDG / ICAO / IATA
14.1. UN number
Not applicable
14.2. UN proper shipping name
Not applicable

SECTION 15: Regulatory information
15.1. US Federal regulations

- **2-Pyrrolidinone, 1-ethenyl-, homopolymer, compound with iodine (25655-41-8)**
  Listed on the United States TSCA (Toxic Substances Control Act) inventory

- **Isopropyl alcohol (67-63-0)**
  Listed on the United States TSCA (Toxic Substances Control Act) inventory
  Listed on SARA Section 313 (Specific toxic chemical listings)

- **EPA TSCA Regulatory Flag**
  T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.

- **SARA Section 313 - Emission Reporting**
  1.0 % (only if manufactured by the strong acid process, no supplier notification)

- **Water (7732-18-5)**
  Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. US State regulations

- **Isopropyl alcohol (67-63-0)**
  U.S. - Massachusetts - Right To Know List
  U.S. - Minnesota - Hazardous Substance List
  U.S. - New Jersey - Right to Know Hazardous Substance List
  U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information
Full text of H-phrases:

- **Eye Irrit. 2A**
  Serious eye damage/eye irritation Category 2A

- **Flam. Liq. 2**
  Flammable liquids Category 2

- **STOT SE 3**
  Specific target organ toxicity (single exposure) Category 3

- **H225**
  Highly flammable liquid and vapour

- **H319**
  Causes serious eye irritation

- **H336**
  May cause drowsiness or dizziness

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.