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

1.1. Product identifier
- Product form: Mixture
- Trade name: SUPER S NON-FLAMMABLE FLAT FIXER
- Product code: 976

1.2. Relevant identified uses of the substance or mixture and uses advised against
- Use of the substance/mixture: Flat Fix

1.3. Details of the supplier of the safety data sheet
- Smitty’s Supply Inc
  PO Box 530
  Roseland, LA 70456
  T 985-748-9687

1.4. Emergency telephone number
- Emergency number: CHEMTREC 24 Hour 1-800-424-9300, 1-703-527-3887 (International)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
- GHS-US classification
  - Compressed gas: H280
  - Eye Irrit.: H320
- Full text of H statements: see section 16

2.2. Label elements
- GHS-US labeling
  - Hazard pictograms (GHS-US): 
  - Signal word (GHS-US): Warning
  - Hazard statements (GHS-US): H280 - Contains gas under pressure; may explode if heated
  - Precautionary statements (GHS-US): P264 - Wash affected areas thoroughly after handling
  - P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
  - P337+P313 - If eye irritation persists: Get medical advice/attention
  - P410+P403 - Protect from sunlight. Store in a well-ventilated place

2.3. Other hazards
- Other hazards not contributing to the classification: Contains gas under pressure; may explode if heated. None under normal conditions.

2.4. Unknown acute toxicity (GHS US)
- No data available

SECTION 3: Composition/Information on ingredients

3.1. Substance
- Not applicable

3.2. Mixture
- Name | Product identifier | % | GHS-US classification
- Water | (CAS No) 7732-18-5 | 30 - 50 | Not classified
- 1,1,1,2-Tetrafluoroethane | (CAS No) 811-97-2 | 10 - 30 | Liquefied gas, H280
- Polymer Latex | (CAS No) Proprietary | 10 - 30 | Eye Irrit. 2B, H320
- 1,1-Difluoroethane, Liquefied, Under Pressure | (CAS No) 75-37-6 | 1 - 5 | Liquefied gas, H280
- Ethanol | (CAS No) 64-17-5 | 2.7625 - 2.925 | Flam. Liq. 2, H225
- 2-Propanol | (CAS No) 67-63-0 | 1 - 5 | Flam. Liq. 2, H225
  - Eye Irrit. 2A, H319
  - STOT SE 3, H336
<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Aminoethanol</td>
<td>(CAS No) 141-43-5</td>
<td>&lt;= 0.6908</td>
<td>Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1A, H314</td>
</tr>
<tr>
<td>Methanol</td>
<td>(CAS No) 67-56-1</td>
<td>0 - 0.1625</td>
<td>Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation: dust, mist), H331 STOT SE 1, H370</td>
</tr>
<tr>
<td>Ammonium Hydroxide, Aqueous Solution, Conc=25%</td>
<td>(CAS No) 1336-21-6</td>
<td>&lt; 1</td>
<td>Skin Corr. 1B, H314 Aquatic Acute 1, H400</td>
</tr>
<tr>
<td>Methyl Isobutyl Ketone</td>
<td>(CAS No) 108-10-1</td>
<td>0 - 0.0325</td>
<td>Flam. Liq. 2, H225 Acute Tox. 3 (Inhalation: gas), H331 Eye Irrit. 2A, H319 STOT SE 3, H335</td>
</tr>
<tr>
<td>Proprietary Inhibitor Package</td>
<td>(CAS No) Proprietary</td>
<td>&lt;= 0.0144</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

The exact percentage is a trade secret.

**SECTION 4: First aid measures**

4.1. **Description of first aid measures**

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: Allow victim to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. **Most important symptoms and effects, both acute and delayed**

Symptoms/injuries: If you feel unwell, seek medical advice.


Symptoms/injuries after eye contact: Inflammation/damage of the eye tissue. Irritation of the eye tissue. Redness of the eye tissue. Causes eye irritation.

Symptoms/injuries after ingestion: May be harmful if swallowed and enters airways. May be fatal if swallowed and enters airways.

4.3. **Indication of any immediate medical attention and special treatment needed**

No additional information available.

**SECTION 5: Firefighting measures**

5.1. **Extinguishing media**


Unsuitable extinguishing media: Do not use a heavy water stream.

5.2. **Special hazards arising from the substance or mixture**

No additional information available.

5.3. **Advice for firefighters**

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Other information: NFPA Aerosol Level 1.

**SECTION 6: Accidental release measures**

6.1. **Personal precautions, protective equipment and emergency procedures**

General measures: Remove ignition sources.

6.1.1. **For non-emergency personnel**

Protective equipment: Gloves. Safety glasses.

Emergency procedures: Evacuate unnecessary personnel.

6.1.2. **For emergency responders**

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area.

6.2. **Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.
6.3. Methods and material for containment and cleaning up

For containment: Dam up the liquid spill. Contain released substance, pump into suitable containers. Plug the leak, cut off the supply.

Methods for cleaning up: Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed: Pressurized container: Do not pierce or burn, even after use.

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

Hygiene measures: Do not eat, drink or smoke when using this product. Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Always wash hands after handling the product. Remove contaminated clothes. Wash affected areas thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Proper grounding procedures to avoid static electricity should be followed. Comply with applicable regulations.

Storage conditions: Keep only in the original container in a cool, well ventilated place away from: Keep container closed when not in use.

Incompatible products: Strong bases. Strong acids.

Incompatible materials: Sources of ignition. Direct sunlight.

Storage area: Store in a well-ventilated place.

7.3. Specific end use(s)

Follow Label Directions.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>ACGIH TWA (ppm)</th>
<th>ACGIH STEL (mg/m³)</th>
<th>USA OSHA PEL (TWA) (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Aminoethanol (141-43-5)</td>
<td>3 ppm</td>
<td>6 ppm</td>
<td></td>
</tr>
<tr>
<td>Ammonium Hydroxide, Aqueous Solution, Conc=25% (1336-21-6)</td>
<td>24 ppm</td>
<td>35 ppm</td>
<td>50 ppm</td>
</tr>
<tr>
<td>2-Propanol (67-63-0)</td>
<td>980 mg/m³</td>
<td>1225 mg/m³</td>
<td>980 mg/m³</td>
</tr>
<tr>
<td>Methanol (67-56-1)</td>
<td>262 mg/m³</td>
<td>328 mg/m³</td>
<td>250 ppm</td>
</tr>
</tbody>
</table>
Methyl Isobutyl Ketone (108-10-1)

<table>
<thead>
<tr>
<th></th>
<th>USA ACGIH</th>
<th>ACGIH TWA (ppm)</th>
<th>20 ppm (Methyl isobutyl ketone; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>USA ACGIH</td>
<td>ACGIH STEL (ppm)</td>
<td>75 ppm (Methyl isobutyl ketone; USA; Short time value; TLV - Adopted Value)</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Appropriate engineering controls: Local exhaust ventilation, vent hoods. Ensure good ventilation of the work station.

Personal protective equipment: Gloves. Safety glasses. Avoid all unnecessary exposure.

Materials for protective clothing: GIVE EXCELLENT RESISTANCE:

Hand protection: Wear protective gloves.

Eye protection: Chemical goggles or safety glasses.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: Wear appropriate mask.

Environmental exposure controls: Avoid release to the environment.

Consumer exposure controls: Avoid contact during pregnancy/while nursing.

Other information: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Gas

Appearance: Liquid.

Color: White.

Odor: Mild ammonia.

Odor threshold: No data available

pH: 9 - 10

Relative evaporation rate (butyl acetate=1): No data available

Melting point: No data available

Freezing point: No data available

Boiling point: No data available

Flash point: No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Flammability (solid, gas): No data available

Vapor pressure: No data available

Relative vapor density at 20 °C: No data available

Relative density: 0.99 - 1

Solubility: Soluble in water.

Log Pow: No data available

Log Kow: No data available

Viscosity, kinematic: No data available

Viscosity, dynamic: No data available

Explosive properties: Heating may cause an explosion.

Oxidizing properties: No data available

Explosion limits: No data available

9.2. Other information

VOC content: 5.1 %

Gas group: Compressed gas

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established.
### 10.3. Possibility of hazardous reactions
Not established.

### 10.4. Conditions to avoid
Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials
Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Acute toxicity**
- Not classified

**2-Aminoethanol (141-43-5)**
- LD50 oral rat: 1720 mg/kg (Rat)
- LD50 dermal rabbit: 1018 mg/kg (Rabbit)

**2-Propanol (67-63-0)**
- LD50 dermal rabbit: 12870 mg/kg (Rabbit; Experimental value; Equivalent or similar to OECD 402; 16.4; Rabbit)
- LC50 inhalation rat (mg/l): 73 mg/l/4h (Rat)

**1,1-Difluoroethane, Liquefied, Under Pressure (75-37-6)**
- LC50 inhalation rat (mg/l): 176 mg/l/4h (Rat; Literature study)
- LC50 inhalation rat (ppm): > 437500 ppm/4h Mortality in 2/6 at 43.75% and 1/6 at 38.3%. At ≥ 17.52% lethargy, laboured breathing, reduced responsiveness to sound were observed. At 6.64% only hyperaemia and shallow breathing were observed.

**1,1,1,2-Tetrafluoroethane (811-97-2)**
- LC50 inhalation rat (mg/l): > 2000 mg/l/4h (Rat; Literature study)
- LC50 inhalation rat (ppm): > 359300 ppm/4h (Rat; Literature study)

**Methanol (67-56-1)**
- LD50 oral rat: >= 2528 mg/kg body weight application as 50% aqueous solution
- LD50 dermal rabbit: 17100 mg/kg corresponding to 20 ml/kg bw according to the authors
- LC50 inhalation rat (mg/l): 128.2 mg/l/4h Air

**Methyl Isobutyl Ketone (108-10-1)**
- LD50 oral rat: 2080 mg/kg (Rat; Equivalent or similar to OECD 401; Experimental value)
- LD50 dermal rat: >= 2000 mg/kg body weight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity)
- LD50 dermal rabbit: > 16000 mg/kg (Rabbit)
- LC50 inhalation rat (mg/l): 8.2-16.4, Rat; Experimental value
- LC50 inhalation rat (ppm): 2000 ppm/4h (Rat; Experimental value, Rat; Experimental value)

**Skin corrosion/irritation**: Not classified
- pH: 9 - 10

**Serious eye damage/irritation**: Causes eye irritation.
- pH: 9 - 10

**Respiratory or skin sensitization**: Not classified

**Germ cell mutagenicity**: Not classified

**Carcinogenicity**: Not classified

**2-Propanol (67-63-0)**

**IARC group**: 3

**Reproductive toxicity**: Not classified

**Specific target organ toxicity (single exposure)**: Not classified

**Specific target organ toxicity (repeated exposure)**: Not classified

**Aspiration hazard**: Not classified

**Potential Adverse human health effects and symptoms**: Based on available data, the classification criteria are not met.

**Symptoms/injuries after skin contact**: Frostbites. Itching. May cause slight irritation. Red skin. Skin rash/inflammation.

**Symptoms/injuries after eye contact**: Inflammation/damage of the eye tissue. Irritation of the eye tissue. Redness of the eye tissue. Causes eye irritation.

**Symptoms/injuries after ingestion**: May be harmful if swallowed and enters airways. May be fatal if swallowed and enters airways.
### SECTION 12: Ecological information

#### 12.1. Toxicity

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50 fish 1</th>
<th>EC50 Daphnia 1</th>
<th>Threshold limit algae 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Aminoethanol (141-43-5)</td>
<td>150 mg/l (LC50; 96 h; <em>Salmo gairdneri</em>)</td>
<td>140 mg/l (EC50; 24 h)</td>
<td>35 mg/l (EC50; 72 h)</td>
</tr>
<tr>
<td>2-Propanol (67-63-0)</td>
<td>9640 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; <em>Pimephales promelas</em>; Flow-through system; Fresh water; Experimental value)</td>
<td>13299 mg/l (EC50; Other; 48 h; <em>Daphnia magna</em>)</td>
<td>&gt; 1000 mg/l Toxicity to fish sludge (96 hours) (Carp)</td>
</tr>
<tr>
<td>Polymer Latex (Proprietary)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1,1,1,2-Tetrafluoroethane (811-97-2)</td>
<td>450 mg/l (LC50; 96 h)</td>
<td>980 mg/l (EC50; 48 h)</td>
<td></td>
</tr>
<tr>
<td>Methanol (67-56-1)</td>
<td>15400 mg/l (LC50; EPA 660/3 - 75/009; 96 h; <em>Lepomis macrochirus</em>; Flow-through system; Fresh water; Experimental value)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-Propanol (67-63-0)</td>
<td>1.19 g O₂ /g substance</td>
<td>2.23 g O₂ /g substance</td>
<td>2.40 g O₂ /g substance</td>
</tr>
<tr>
<td>1,1-Difluoroethane, Liquefied, Under Pressure (75-37-6)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1,1,1,2-Tetrafluoroethane (811-97-2)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Methanol (67-56-1)</td>
<td>0.6 - 1.12 g O₂ /g substance</td>
<td>1.42 g O₂ /g substance</td>
<td>1.5 g O₂ /g substance</td>
</tr>
<tr>
<td>Methyl Isobutyl Ketone (108-10-1)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Substance</th>
<th>Persistence and degradability</th>
<th>Biochemical oxygen demand (BOD)</th>
<th>Chemical oxygen demand (COD)</th>
<th>ThOD</th>
<th>BOD (% of ThOD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLUE MAGIC NON-FLAMMABLE FLAT FIXER 16 OZ.</td>
<td>Not established.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water (7732-18-5)</td>
<td>Not established.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-Aminoethanol (141-43-5)</td>
<td>Readily biodegradable in water. Biodegradable in the soil.</td>
<td>0.80 g O₂ /g substance</td>
<td>1.34 g O₂ /g substance</td>
<td>2.49 g O₂ /g substance</td>
<td>0.32</td>
</tr>
<tr>
<td>Proprietary Inhibitor Package (Proprietary)</td>
<td>Not established.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ammonium Hydroxide, Aqueous Solution, Conc=25% (1336-21-6)</td>
<td>Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the components available. Ozonation in the air.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-Propanol (67-63-0)</td>
<td>Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. No (test)data on mobility of the substance available.</td>
<td>1.19 g O₂ /g substance</td>
<td>2.23 g O₂ /g substance</td>
<td>2.40 g O₂ /g substance</td>
<td></td>
</tr>
<tr>
<td>1,1-Difluoroethane, Liquefied, Under Pressure (75-37-6)</td>
<td>Biodegradability in water; no data available.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1,1,1,2-Tetrafluoroethane (811-97-2)</td>
<td>Not readily biodegradable in water.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Methanol (67-56-1)</td>
<td>Readily biodegradable in water. Biodegradable in the soil. Highly mobile in soil.</td>
<td>0.6 - 1.12 g O₂ /g substance</td>
<td>1.42 g O₂ /g substance</td>
<td>1.5 g O₂ /g substance</td>
<td>0.8 (Literature study)</td>
</tr>
<tr>
<td>Methyl Isobutyl Ketone (108-10-1)</td>
<td>Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Low potential for adsorption in soil. Photolysis in the air. Not established.</td>
<td>2.06 g O₂ /g substance</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Methyl Isobutyl Ketone (108-10-1)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical oxygen demand (COD)</td>
<td>2.16 g O₂ / g substance</td>
</tr>
<tr>
<td>ThOD</td>
<td>2.72 g O₂ / g substance</td>
</tr>
<tr>
<td>BOD (% of ThOD)</td>
<td>0.76</td>
</tr>
</tbody>
</table>

#### 12.3. Bioaccumulative potential

**BLUE MAGIC NON-FLAMMABLE FLAT FIXER 16 OZ.**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulative potential</td>
<td>Not established.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulative potential</td>
<td>Not established.</td>
</tr>
</tbody>
</table>

**2-Aminoethanol (141-43-5)**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Log Pow</td>
<td>-1.91</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
<td>Bioaccumulation: not applicable.</td>
</tr>
</tbody>
</table>

**Proprietary Inhibitor Package (Proprietary)**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulative potential</td>
<td>Not established.</td>
</tr>
</tbody>
</table>

**Ammonium Hydroxide, Aqueous Solution, Conc=25% (1336-21-6)**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulative potential</td>
<td>Not bioaccumulative.</td>
</tr>
</tbody>
</table>

**2-Propanol (67-63-0)**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Log Pow</td>
<td>0.05 (Weight of evidence approach; Other; 25 °C)</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
<td>Low potential for bioaccumulation (Log Kow &lt; 4).</td>
</tr>
</tbody>
</table>

**1,1,1,2-Tetrafluoroethane, Liquefied, Under Pressure (75-37-6)**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Log Pow</td>
<td>0.75 (Experimental value)</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
<td>Low potential for bioaccumulation (Log Kow &lt; 4).</td>
</tr>
</tbody>
</table>

**Methanol (67-56-1)**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCF fish 1</td>
<td>&lt; 10 (BCF; 72 h; Leuciscus idus)</td>
</tr>
<tr>
<td>Log Pow</td>
<td>-0.77 (Experimental value; Other)</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
<td>Low potential for bioaccumulation (BCF &lt; 500).</td>
</tr>
</tbody>
</table>

**1,1,1,2-Tetrafluoroethane (811-97-2)**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Log Pow</td>
<td>1.06 (OECD 107: Partition Coefficient (n-octanol/water); Shake Flask Method)</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
<td>Low potential for bioaccumulation (BCF &lt; 500).</td>
</tr>
</tbody>
</table>

**Methyl Isobutyl Ketone (108-10-1)**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCF fish 1</td>
<td>2 - 5 (BCF)</td>
</tr>
<tr>
<td>Log Pow</td>
<td>1.9 (Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method)</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
<td>Low potential for bioaccumulation (BCF &lt; 500); Not established.</td>
</tr>
</tbody>
</table>

#### 12.4. Mobility in soil

**2-Aminoethanol (141-43-5)**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface tension</td>
<td>0.050 N/m</td>
</tr>
</tbody>
</table>

**2-Propanol (67-63-0)**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface tension</td>
<td>0.021 N/m (25 °C)</td>
</tr>
</tbody>
</table>

**Methanol (67-56-1)**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface tension</td>
<td>0.023 N/m (20 °C)</td>
</tr>
<tr>
<td>Log Koc</td>
<td>Koc.PCKOCWIN v1.66; 1; Calculated value</td>
</tr>
</tbody>
</table>

**Methyl Isobutyl Ketone (108-10-1)**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface tension</td>
<td>0.024 N/m (20 °C)</td>
</tr>
<tr>
<td>Log Koc</td>
<td>Koc.101.85; Weight of evidence; Calculated value; log Koc; 2.008; Weight of evidence; Calculated value</td>
</tr>
</tbody>
</table>

#### 12.5. Other adverse effects

Other information : Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose of contents/container to appropriate waste disposal facility, in accordance with local, regional, national, international regulations. Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.
SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN US DOT (ground): UN1950, Aerosols, Non-flammable, 2.2, Limited Quantity

ICAO/IATA (air): UN1950, Aerosols, Non-flammable, 2.2 , Limited Quantity

IMO/IMDG (water): UN1950, Aerosols, Non-flammable, 2.2 , Limited Quantity

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Aerosols, Non-flammable
Class (DOT) : 2.2 - Class 2.2 - Non-flammable compressed gas 49 CFR 173.115
Hazard labels (DOT) : 2.2 - Non-flammable gas

DOT Packaging Exceptions (49 CFR 173.xxx) : 306
DOT Packaging Non Bulk (49 CFR 173.xxx) : None
DOT Packaging Bulk (49 CFR 173.xxx) : None

14.3. Additional information

Other information : No supplementary information available.

Overland transport
No additional information available

Transport by sea
DOT Vessel Stowage Location : A - The material may be stowed “on deck” or “under deck” on a cargo vessel and on a passenger vessel
DOT Vessel Stowage Other : 48 - Stow “away from” sources of heat,87 - Stow “separated from” Class 1 (explosives) except Division 14,126 - Segregation same as for Class 9, miscellaneous hazardous materials

Air transport
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 75 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 150 kg

SECTION 15: Regulatory information

15.1. US Federal regulations

BLUE MAGIC NON-FLAMMABLE FLAT FIXER 16 OZ

SARA Section 311/312 Hazard Classes
Immediate (acute) health hazard
Sudden release of pressure hazard

2-Aminoethanol (141-43-5)

SARA Section 311/312 Hazard Classes
Immediate (acute) health hazard

2-Propanol (67-63-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
SARA Section 311/312 Hazard Classes
Immediate (acute) health hazard
Fire hazard

1,1-Difluoroethane, Liquefied, Under Pressure (75-37-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
SARA Section 311/312 Hazard Classes
Fire hazard
Sudden release of pressure hazard
Immediate (acute) health hazard

1,1,1,2-Tetrafluoroethane (811-97-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
SARA Section 311/312 Hazard Classes
Sudden release of pressure hazard
Immediate (acute) health hazard
### Methanol (67-56-1)

Subject to reporting requirements of United States SARA Section 313
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on the United States SARA Section 302
Listed on the United States SARA Section 355

| SARA Section 311/312 Hazard Classes | Immediate (acute) health hazard | Delayed (chronic) health hazard | Fire hazard |

### 15.2. International regulations

#### CANADA

**BLUE MAGIC NON-FLAMMABLE FLAT FIXER** 16 OZ.

| WHMIS Classification | Class A - Compressed Gas |

**2-Propanol (67-63-0)**

Listed on the Canadian DSL (Domestic Substances List)

| WHMIS Classification | Class B Division 2 - Flammable Liquid |

**1,1-Difluoroethane, Liquefied, Under Pressure (75-37-6)**

| WHMIS Classification | Class A - Compressed Gas |
| | Class B Division 5 - Flammable Aerosol |

**1,1,1,2-Tetrafluoroethane (811-97-2)**

| WHMIS Classification | Class A - Compressed Gas |

**Methanol (67-56-1)**

Listed on the Canadian DSL (Domestic Substances List)

| WHMIS Classification | Class B Division 2 - Flammable Liquid |
| | Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects |
| | Class D Division 2 Subdivision A - Very toxic material causing other toxic effects |
| | Class D Division 2 Subdivision B - Toxic material causing other toxic effects |

#### EU-Regulations

**2-Propanol (67-63-0)**

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

**1,1-Difluoroethane, Liquefied, Under Pressure (75-37-6)**

**1,1,1,2-Tetrafluoroethane (811-97-2)**

**Methanol (67-56-1)**

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

**Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]**

F++; R12

Full text of R-phrases: see section 16

### 15.2. National regulations

#### 2-Propanol (67-63-0)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed in KECI (Korean Existing Chemicals Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

**1,1-Difluoroethane, Liquefied, Under Pressure (75-37-6)**

**1,1,1,2-Tetrafluoroethane (811-97-2)**

**Methanol (67-56-1)**

Listed on the Canadian IDL (Ingredient Disclosure List)

### 15.3. US State regulations

**BLUE MAGIC NON-FLAMMABLE FLAT FIXER** 16 OZ.

| U.S. - California - Proposition 65 - Carcinogens List | No |
| U.S. - California - Proposition 65 - Developmental Toxicity | No |
| U.S. - California - Proposition 65 - Reproductive Toxicity - Female | No |
| U.S. - California - Proposition 65 - Reproductive | No |
## BLUE MAGIC NON-FLAMMABLE FLAT FIXER 16 OZ.

**Toxicity - Male**

State or local regulations | U.S. - California - Proposition 65
---|---

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

<table>
<thead>
<tr>
<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>U.S. - California - Proposition 65 - Developmental Toxicity</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Male</th>
<th>Non-significant risk level (NSRL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

**2-Aminoethanol (141-43-5)**

<table>
<thead>
<tr>
<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>U.S. - California - Proposition 65 - Developmental Toxicity</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</th>
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</table>

**Proprietary Inhibitor Package (Proprietary)**

<table>
<thead>
<tr>
<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>U.S. - California - Proposition 65 - Developmental Toxicity</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</th>
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<td>No</td>
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<td>No</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

**Ammonium Hydroxide, Aqueous Solution, Conc=25% (1336-21-6)**

<table>
<thead>
<tr>
<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>U.S. - California - Proposition 65 - Developmental Toxicity</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Male</th>
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**2-Propanol (67-63-0)**

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</tbody>
</table>

**Polymer Latex (Proprietary)**

<table>
<thead>
<tr>
<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>U.S. - California - Proposition 65 - Developmental Toxicity</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</th>
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<td></td>
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</tbody>
</table>

**1,1-Difluoroethane, Liquefied, Under Pressure (75-37-6)**

<table>
<thead>
<tr>
<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>U.S. - California - Proposition 65 - Developmental Toxicity</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</th>
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</tbody>
</table>

**1,1,1,2-Tetrafluoroethane (811-97-2)**

<table>
<thead>
<tr>
<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>U.S. - California - Proposition 65 - Developmental Toxicity</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</th>
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<tr>
<td>No</td>
<td>No</td>
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**Methanol (67-56-1)**

<table>
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<th>Non-significant risk level (NSRL)</th>
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<td>Yes</td>
<td>No</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>
SUPER S NON-FLAMMABLE FLAT FIXER
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Methyl Isobutyl Ketone (108-10-1)

<table>
<thead>
<tr>
<th>U.S. - California - Proposition 65</th>
<th>U.S. - California - Proposition 65</th>
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<th>Non-significant risk level (NSRL)</th>
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<tr>
<td>Carcinogens List</td>
<td>Developmental Toxicity</td>
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<td>Reproductive Toxicity - Male</td>
</tr>
<tr>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

2-Propanol (67-63-0)

State or local regulations

- U.S. - New Jersey - Right to Know Hazardous Substance List
- U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

1,1-Difluoroethane, Liquefied, Under Pressure (75-37-6)

State or local regulations

- U.S. - New Jersey - Right to Know Hazardous Substance List
- U.S. - Pennsylvania - RTK (Right to Know) List
- U.S. - Massachusetts - Right To Know List

Methanol (67-56-1)

State or local regulations

- U.S. - California - Proposition 65
- New Jersey Right-to-Know
- Florida Right to Know
- U.S. - Massachusetts - Right To Know List
- U.S. - Pennsylvania - RTK (Right to Know) List

Methyl Isobutyl Ketone (108-10-1)

State or local regulations

- U.S. - California - Proposition 65

SECTION 16: Other information

Other information : None.

Full text of H-phrases:

- **H225** Highly flammable liquid and vapor
- **H280** Contains gas under pressure; may explode if heated
- **H301** Toxic if swallowed
- **H302** Harmful if swallowed
- **H311** Toxic in contact with skin
- **H312** Harmful in contact with skin
- **H314** Causes severe skin burns and eye damage
- **H319** Causes serious eye irritation
- **H320** Causes eye irritation
- **H331** Toxic if inhaled
- **H332** Harmful if inhaled
- **H335** May cause respiratory irritation
- **H336** May cause drowsiness or dizziness
- **H370** Causes damage to organs
- **H400** Very toxic to aquatic life

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 1 - Must be preheated before ignition can occur.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

**HMIS III Rating**

- Health : 1 Slight Hazard - Irritation or minor reversible injury possible
- Flammability : 1 Slight Hazard
- Physical : 1 Slight Hazard
- Personal Protection : B

SDS US (GHS HazCom 2012) - TCC
The Supplier identified in Section 1 of this SDS has evaluated this product and certifies it to be labeled and packaged in compliance with the applicable provisions of the Federal Hazardous Substance Act as stated in 16 CFR 1500 and enforced by the Consumer Product Safety Commission, and where applicable the products that require Child Resistant Closures are packaged in accordance with the Poison Prevention Packaging Act as stated in 16 CFR 1700 and enforced by the Consumer Product Safety Commission. All closures have been tested in accordance with the latest protocols. No other testing is required to certify compliance with the above. The date of manufacture is stamped on the product.

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