

## SAFETY DATA SHEET

### Staycell ONE STEP® 255, Component B

<b>Revision date: 04/24/2014</b>	
<b>1. Product and Company Identification</b>	
<p><b>Manufacturer</b> Preferred Solutions, Inc. 7819 Broadview Road Cleveland, OH 44131</p> <p><b>Telephone Number:</b> 800-522-4522 <b>Fax Number:</b> 216-642-1166</p>	<p><b>Manufacturer Emergency Contacts &amp; Phone Number</b> PERS (US): 24 hours/7 days 800-633-8253 Domestic 801-629-0667 International</p>
<p><b>Product Name: Staycell ONE STEP® 255, Component B</b></p> <p><b>Chemical Family:</b> resin <b>Synonyms:</b> Urethane System Resin Component</p>	
<b>2. Hazards Identification</b>	
<p><b><u>Emergency overview</u></b></p> <p><b>CAUTION: MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION. SENSITIZER. MAY CAUSE LIVER DAMAGE BASED ON ANIMAL DATA. MAY CAUSE KIDNEY DAMAGE BASED ON ANIMAL DATA. CONTAINS MATERIAL WHICH CAN CAUSE CENTRAL NERVOUS SYSTEM DAMAGE. MAY ADVERSELY EFFECT THE DEVELOPING FETUS BASED ON ANIMAL DATA</b></p> <p><b>State of matter:</b> liquid <b>Colour:</b> dark brown/black <b>Odour:</b> amine-like</p> <p><b>CAUTION: CLOSED CONTAINER MAY RUPTURE UNDER EXTREME HEAT OR WHEN CONTENTS HAVE BEEN CONTAMINATED. IF BULGING OF DRUM OCCURS, TRANSFER TO SAFE, WELL VENTILATED AREA AND SLOWLY LOOSEN BUNG TO RELIEVE PRESSURE.</b></p> <p><b><u>Potential health effects</u></b></p> <p><b>Primary routes of exposure:</b> Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.</p> <p><b><u>Acute toxicity:</u></b></p> <p><b>Ingestion:</b> Ingestion may cause gastrointestinal disturbances.</p> <p><b>Irritation/corrosion:</b> Irritating to respiratory system.</p> <p><b>Assessment other acute effects:</b> Based on the available information there is no specific target organ toxicity to be expected after a single exposure.</p>	

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**Chronic toxicity:**

**Carcinogenicity:** The chemical structure does not suggest a specific alert for such an effect.

**Repeated dose toxicity:** Repeated exposure to the substance by dermal administration leads to effects similar to those found after single exposure. Repeated exposure to- the substance by inhalative administration leads to effects similar to those found after single exposure. Repeated exposure to the substance by oral administration leads to effects similar to those found after single exposure.

**Reproductive toxicity:** The chemical structure does not suggest such an effect.

**Teratogenicity:** The chemical structure does not suggest such an effect.

**Genotoxicity:** The chemical structure does not suggest such an effect.

**Potential environmental effects**

**Aquatic toxicity:**

There is a high probability that the product is not acutely harmful to aquatic organisms.

**Degradation / environmental fate:**

The product has not been tested.

**Bioaccumulation / bioconcentration:**

The product has not been tested.

**3. Composition / Information on Ingredients**

Chemical Name	CAS Number	Content (W/W)
Flame Retardant		<20%
Surfactant		<1%
Diethylmethylbenzenediamine	68479-98-1	<3%
Catalyst		<3%
Ethylene Glycol	107-21-1	2%
Diethylene Glycol	111-46-6	<2%
Polyol		<70%
1,1,1,3,3-pentafluoropropane	460-73-1	<12%

**4. First Aid Measures**

**Eyes**

In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

**Skin**

Remove contaminated clothing and shoes. Wash clothing before reuse. Wash affected areas with soap and water. Get medical attention immediately if irritation (redness, rash, blistering) develops and persists.

**Ingestion**

DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious victim. Have victim rinse mouth thoroughly with water. If victim is fully conscious, give 1-2 cups of water to dilute material in



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stomach. Get medical attention immediately.

### Inhalation

Remove the person from the contaminated area to fresh air. If breathing is difficult, give oxygen. Do not allow victim to move about unnecessarily. Get medical attention immediately.

## 5. Fire Fighting Measures

**Flash Point:** >93° C, >200° F

**Flash Point Method:** closed cup

### Fire Fighting Hazards

No particular hazards known.

### Extinguishing Media

Water, dry extinguishing media, carbon dioxide, foam

### Fire Fighting Instructions

Firefighters should wear NFPA compliant structural firefighting protective equipment, including self-contained breathing apparatus and helmet, hood, boots, and gloves. Avoid contact with product. Decontaminate equipment and protective clothing prior to reuse. If material is spilled or released and exposure likely, evacuate area and fight fire from a safe distance or a protected location.

## 6. Accidental Release Measures

### Personal precautions:

Clear area. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

### Environmental precautions:

Do not discharge into drains/surface waters/groundwater.

### Cleanup:

Dike spillage. Spills should be contained, solidified and placed in suitable containers for disposal.

## 7. Handling and Storage

### Handling

Keep containers tightly sealed and stored at 50° to 75°F for maximum shelf life. Storage temperatures should not exceed 85°F. Do not store in direct sunlight. Open the container slowly to allow any pressure to be released before removing the bung. Keep drums tightly sealed when not in use to avoid contamination. Water, solvents or oil in the liquid components will degrade foam quality. Protect from heat, sparks and open flame. Do not cut or weld on or near this container. Do not smoke near container. Do not store near food or feed.

### Shelf Life

Staycell ONE STEP® 255, Component B is stable for six (6) months when stored in tightly sealed drums at 50° to 75°F.

## 8. Exposure Controls and Personal Protection

### Engineering Controls

Provide local exhaust ventilation to maintain recommended P.E.L. When used outdoors, stay well away from building air intakes or close the intakes to prevent product from entering building.

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#### **Eye/Face Protection**

Safety glasses with side shields or goggles recommended. If there is a potential for splashing, use full face shield over safety glasses or goggles.

#### **Skin Protection**

Avoid all skin contact. Use with chemical-protective gloves and clothing to prevent excessive skin contact. Chemical-resistant gloves made of nitrile, neoprene or butyl rubber can be used.

#### **Respiratory Protection**

The level of respiratory protection needed should be based on the evaluation of chemical exposures by a health or safety professional. For interior applications, full body protection is recommended including an air-supplied respirator such as a self-contained breathing apparatus (SCBA) or a supplied air respirator (SAR) in the positive pressure or continuous flow mode (this includes air supplied hoods). Alternatively, a full-face air purifying respirator with suitable organic vapor/particulate filter combination cartridge (OV/P100) may be worn.

#### **9. Physical and Chemical Properties**

Colour: dark brown/black  
Odour: amine-like  
Physical State: liquid  
Freezing Point: unspecified  
Boiling Point: unspecified  
Specific Gravity: 1.19 @ 25° C.  
Bulk Density: 9.55 lbs/USg  
Vapor Pressure: unspecified  
Solubility: slightly soluble

#### **10. Stability and Reactivity**

##### **Conditions to Avoid (Stability)**

> 80° Fahrenheit, >26.7 Centigrade.  
Stable at room temperature. Avoid direct sunlight and excessive temperatures.

##### **Hazardous Decomposition Products**

Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO)

#### **11. Toxicological Information**

##### **Potential health effects**

##### **Primary routes of exposure**

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

**Acute toxicity:** Ingestion may cause gastrointestinal disturbances.

*Information on: Fluorocarbons*

*Assessment of acute toxicity:*

*Has a narcotic effect. May cause drowsiness and dizziness.*

*Information on: Diethylene glycol*

*Assessment of acute toxicity:*

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*Harmful if swallowed.*

*Information on: Ethylene glycol*

*Assessment of acute toxicity:*

*Harmful if swallowed.*

*Information on: diethylmethylbenzenediamine*

*Assessment of acute toxicity:*

*The substance/product can be absorbed through the skin in toxic amounts.*

*Information on: Triethyl Phosphate*

*Assessment of acute toxicity:*

*Inhalation causes headache/nausea.*

*Inhalation of vapours leads to irritation of respiratory tract and mucous membranes, headache, nausea, dizziness, vomiting. Ingestion may cause moderate to severe gastric irritation including nausea, vomiting and pain.*

#### **Irritation/corrosion:**

*Information on: Polyol*

*Assessment of irritating effects:*

*Contact may result in skin irritation. Contact may result in eye irritation.*

*Information on: Ethylene glycol*

*Assessment of irritating effects:*

*Not irritating to eyes and skin.*

#### **Repeated dose toxicity:**

*Information on: diethylene glycol*

*Assessment of repeated dose toxicity:*

*The substance may cause damage to the kidney after repeated ingestion.*

*The substance may cause damage to the liver after repeated ingestion.*

*Information on: Ethylene glycol*

*Assessment of repeated dose toxicity:*

*The substance may cause damage to the kidney after repeated ingestion of high doses, as shown in animal studies.*

*Information on: Diethyl toluenediamine*

*Assessment of repeated dose toxicity:*

*Sub-chronic and lifetime animal studies with diethyl toluene diamine failed to show tumorigenic effects. However, because some phenylendiamine compounds have been shown to be animal carcinogens, exposure should be minimized. In 28-day and 90-day studies, rats administered 125 ppm and 320 ppm in their feed exhibited adverse pancreas effects, some of which were reversible. No effects were noted at 50 ppm.*

*Information on: Triethyl Phosphate*

*Assessment of repeated dose toxicity:*

*May cause central nervous system effects.*

#### **12. Ecological Information**



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No specific information available.												
<b>13. Disposal Considerations</b>												
Dispose in accordance with applicable federal, state and local government regulations in a licensed facility.												
<p><b>Container disposal:</b> Steel drums must be emptied and can be sent to a licensed drum reconditioner for reuse, a scrap metal dealer or an approved landfill. Do not attempt to refill or clean containers since residue is difficult to remove. Under no circumstances should empty drums be burned or cut open with torches as toxic decomposition products may be liberated. Do on reuse empty containers.</p>												
<b>14. Transport Information</b>												
<p><b>Land transport</b> USDOT – Not classified as a dangerous good under transport regulations</p> <p><b>Sea transport</b> IMDG - Not classified as a dangerous good transport regulations</p> <p><b>Air transport</b> IATA/ICAO - Not classified as a dangerous good under transport regulations</p>												
<b>15. Regulatory Information</b>												
<p><b>Federal Regulations</b></p> <p><b>Registration status:</b> Chemical                    TSCA, US    released/listed</p> <p><b>OSHA hazard category:</b> Chronic target organ effects reported</p> <p><b>EPCRA 311/312 (Hazard categories):</b> Chronic</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;"><b>CERCLA</b></td> <td style="width: 33%;"><b>CAS Number</b></td> <td style="width: 33%;"><b>Chemical Name</b></td> </tr> <tr> <td>5000 lbs</td> <td>107-21-1</td> <td>Ethylene glycol</td> </tr> </table> <p><b>State Regulations</b></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;"><b>State RTK</b></td> <td style="width: 33%;"><b>CAS Number</b></td> <td style="width: 33%;"><b>Chemical Name</b></td> </tr> <tr> <td>PA</td> <td>111-46-6</td> <td>Diethylene glycol</td> </tr> </table> <p><b>CA Prop. 65:</b> THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.</p>	<b>CERCLA</b>	<b>CAS Number</b>	<b>Chemical Name</b>	5000 lbs	107-21-1	Ethylene glycol	<b>State RTK</b>	<b>CAS Number</b>	<b>Chemical Name</b>	PA	111-46-6	Diethylene glycol
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<b>16. Other Information</b>												
<p><b>NFPA Hazard Codes:</b> Health: 1      Fire: 1      Reactivity: 1      Special:</p> <p><b>HMIS III Rating:</b> Health: 1      Flammability: 1      Physical Hazard: 1</p>												



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NFPA and HMIS use a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

**MSDS Prepared by:**

Preferred Solutions, Inc. Product Stewardship  
Prepared on: 04/24/2014

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END OF DATA SHEET