

SAFETY DATA SHEET

Staycell ONE STEP® 255, Component B

Revision date: 04/24/2014	
1. Product and Company Identification	
<p>Manufacturer Preferred Solutions, Inc. 7819 Broadview Road Cleveland, OH 44131</p> <p>Telephone Number: 800-522-4522 Fax Number: 216-642-1166</p>	<p>Manufacturer Emergency Contacts & Phone Number PERS (US): 24 hours/7 days 800-633-8253 Domestic 801-629-0667 International</p>
<p>Product Name: Staycell ONE STEP® 255, Component B</p> <p>Chemical Family: resin Synonyms: Urethane System Resin Component</p>	
2. Hazards Identification	
<p><u>Emergency overview</u></p> <p>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</p> <p>State of matter: liquid Colour: dark brown/black Odour: amine-like</p> <p>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.</p> <p><u>Potential health effects</u></p> <p>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.</p> <p><u>Acute toxicity:</u></p> <p>Ingestion: Ingestion may cause gastrointestinal disturbances.</p> <p>Irritation/corrosion: Irritating to respiratory system.</p> <p>Assessment other acute effects: 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 (CO₂), 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.												
13. Disposal Considerations												
Dispose in accordance with applicable federal, state and local government regulations in a licensed facility. Container disposal: 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.												
14. Transport Information												
Land transport USDOT – Not classified as a dangerous good under transport regulations Sea transport IMDG - Not classified as a dangerous good transport regulations Air transport IATA/ICAO - Not classified as a dangerous good under transport regulations												
15. Regulatory Information												
Federal Regulations Registration status: Chemical TSCA, US released/listed OSHA hazard category: Chronic target organ effects reported EPCRA 311/312 (Hazard categories): Chronic <table><thead><tr><th>CERCLA</th><th>CAS Number</th><th>Chemical Name</th></tr></thead><tbody><tr><td>5000 lbs</td><td>107-21-1</td><td>Ethylene glycol</td></tr></tbody></table> State Regulations <table><thead><tr><th>State RTK</th><th>CAS Number</th><th>Chemical Name</th></tr></thead><tbody><tr><td>PA</td><td>111-46-6</td><td>Diethylene glycol</td></tr></tbody></table> CA Prop. 65: THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.	CERCLA	CAS Number	Chemical Name	5000 lbs	107-21-1	Ethylene glycol	State RTK	CAS Number	Chemical Name	PA	111-46-6	Diethylene glycol
CERCLA	CAS Number	Chemical Name										
5000 lbs	107-21-1	Ethylene glycol										
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16. Other Information												
NFPA Hazard Codes: Health: 1 Fire: 1 Reactivity: 1 Special: HMIS III Rating: Health: 1 Flammability: 1 Physical Hazard: 1												



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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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