# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>PRODUCT NAME:</th>
<th>StepOne</th>
</tr>
</thead>
<tbody>
<tr>
<td>PART NUMBER:</td>
<td>CF-0706</td>
</tr>
<tr>
<td>GENERAL USE:</td>
<td>Urethane Floor Finish Sealer</td>
</tr>
<tr>
<td>PRODUCT DESCRIPTION:</td>
<td>Milky white liquid, very mild characteristic odor</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MANUFACTURER’S NAME</th>
<th>Praetorian Protective Finishes, LLC.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADDRESS (NUMBER, STREET, P.O. BOX)</td>
<td>226 North River Ridge Circle</td>
</tr>
<tr>
<td>(CITY, STATE AND ZIP CODE)</td>
<td>Burnsville, MN 55337</td>
</tr>
<tr>
<td>COUNTRY</td>
<td>USA</td>
</tr>
<tr>
<td>TELEPHONE NUMBER</td>
<td>(952) 895-6962</td>
</tr>
<tr>
<td>DATE PREPARED:</td>
<td>October 6, 2009</td>
</tr>
<tr>
<td>SUPERSEDES:</td>
<td>New</td>
</tr>
</tbody>
</table>

| COUNTRY | USA |
| EMERGENCY TELEPHONE NUMBER | Chemtrec (800) 424-9300 |
| Outside USA | (703) 527-3887 |

## SECTION 2 - HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW
Mild liquid, ingestion may cause gastric distress. Contact with skin and eyes may cause irritation. Hazard symbols - None. Risk phrases - Not Classified

### POTENTIAL HEALTH EFFECTS

#### INHALATION:
Exposure to vapors not likely. High concentrations may be irritating to the respiratory tract; may cause headache, dizziness, nausea, vomiting and malaise.

#### SKIN:
Brief contact may cause slight irritation; prolonged contact may cause moderate irritation.

#### EYES:
Contact may cause slight temporary irritation. Corneal injury is unlikely.

#### INGESTION:
Small amounts ingested are not likely to cause injury. Ingestion of large amounts may cause headache, dizziness, diarrhea and general weakness.

### CARCINOGENICITY
NTP? - No, IARC MONOGRAPHS? - No, OSHA REGULATED? - No

## SECTION 3 - HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>HAZARDOUS COMPONENTS</th>
<th>% (by weight)</th>
<th>CAS #</th>
<th>EINECS #</th>
<th>Hazard Symbol</th>
<th>RISK PHRASES</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Methyl-2,4-pentanediol (a)</td>
<td>1 - 5</td>
<td>107-41-5</td>
<td>203-489-0</td>
<td>Xi</td>
<td>R-36/38</td>
</tr>
</tbody>
</table>

The remaining components of this product are non-hazardous or are in small enough quantities as to not meet regulatory thresholds for disclosure. These components contain no substances or impurities which would influence the classification of this product.

(a) See Section 8
SECTION 4 - FIRST AID MEASURES

INHALATION: Remove affected person to fresh air; provide oxygen if breathing is difficult; if affected person is not breathing, administer CPR and seek emergency medical attention.

SKIN: Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.

EYES: Check for and remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.

INGESTION: Do not induce vomiting unless directed to do so by medical personnel; never give anything by mouth to an unconscious person; seek medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

GENERAL HAZARDS: Product is not considered flammable or combustible. Products of combustion include compounds of carbon, hydrogen and oxygen, including carbon monoxide.

EXTINGUISHING MEDIA
Carbon dioxide, water, water fog, dry chemical, chemical foam.

FIRE FIGHTING PROCEDURES
Keep containers cool with water spray to prevent container rupture due to steam buildup; floor will become slippery if material is released.

UNUSUAL FIRE AND EXPLOSION HAZARDS
None

HAZARDOUS COMBUSTION PRODUCTS
Smoke, fumes or vapors, oxides of carbon.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: WILL SUPPORT COMBUSTION. Evacuate and ventilate area; confine and absorb into absorbent; place material into approved containers for disposal; refer to SARA Title III, Section 313 40 CFR 372 for details concerning reporting requirements.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. Keep this and other chemicals out of reach of children.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>HAZARDOUS COMPONENTS</th>
<th>NIOSH</th>
<th></th>
<th>ACGIH</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TWA ppm</td>
<td>TWA mg/m³</td>
<td>STEL ppm</td>
<td>STEL mg/m³</td>
</tr>
<tr>
<td>2-Methyl-2,4-pentanediol (a)</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>121 (C)</td>
</tr>
</tbody>
</table>

(e) A "C" in the OSHA PEL or ACGIH TWA column indicates ceiling limits, the concentration that should not be exceeded during any part of the working exposure.

PERSONAL PROTECTION:

RESPIRATORY PROTECTION: None required while threshold limits are kept below maximum allowable concentrations; if TWA exceeds limits, NIOSH approved respirator must be worn. Refer to 29 CFR 1910.134 or European Standard EN 149 for complete regulations.

EYE PROTECTION: Neoprene, butyl or nitrile rubber gloves with cuffs.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Coveralls, apron, or other equipment should be worn to minimize skin contact, safety eyewash station nearby.

WORK / HYGIENIC PRACTICES: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.
### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance and Odor</td>
<td>Milky white liquid, very mild characteristic odor</td>
</tr>
<tr>
<td>pH</td>
<td>8.0 - 9.0</td>
</tr>
<tr>
<td>Boiling Point / Boiling Range</td>
<td>214° F (101° C)</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Non-flammable</td>
</tr>
<tr>
<td>Flammable Limits</td>
<td>Not applicable, UEL: Not applicable</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>17 mm Hg @ 20 ° C</td>
</tr>
<tr>
<td>Specific Gravity (Water = 1)</td>
<td>1.026</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Dispersible</td>
</tr>
<tr>
<td>Vapour Density (Air = 1)</td>
<td>&gt; 1</td>
</tr>
<tr>
<td>Evaporation Rate (Water = 1)</td>
<td>&lt; 1</td>
</tr>
</tbody>
</table>

### SECTION 10 - STABILITY AND REACTIVITY

- **Stability:** Stable
- **Unstable:** None
- **Conditions to Avoid:** Extreme temperatures
- **Incompatibilities:** Can react vigorously with strong oxidizers, strong acids, mineral and organic bases, primary and secondary aliphatic amines.
- **Hazardous Decomposition or Byproducts:** Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes or vapors, and smoke may be produced.
- **Hazardous Polymerization:** May occur, Will not occur: Hazardous polymerization may occur with excess of aliphatic amine curing agent

### SECTION 11 - TOXICOLOGICAL INFORMATION

- **Hazardous Components:**
  - 2-Methyl-2,4-pentanediol (a)
  - CAS #: 107-41-5, 203-489-0
  - LD50 of Ingredient: Oral - rat, 3700 mg / kg
  - LC50 of Ingredient: Inhalation - mouse, > 310 mg / m3

(a) See Section 8

### SECTION 12 - ECOLOGICAL INFORMATION

No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant.

### SECTION 13 - DISPOSAL CONSIDERATIONS

- **Waste Disposal Method:** Dispose of in accordance with local, state, and federal regulations. Product is classified as non-hazardous; however, non-hazardous materials may become hazardous waste upon contact with other products. Refer to 40 CFR 260 - 299 for complete waste disposal regulations. Consult your local, state, or federal agency before disposing of any chemicals. According to the European Waste Catalogue, waste codes are application specific and should be assigned by the user based on the application for which the product is used.

### SECTION 14 - TRANSPORT INFORMATION

- **Proper Shipping Name:** Non - Hazardous for Transport
- **DOT Hazard Class / Packaging Group:** Not regulated
- **IATA Hazard Class / Packaging Group:** Not regulated
- **IMDG Hazard Class:** Not regulated
- **UN / NA Identification Number:** None
- **Label:** None Required
- **HAZARD SYMBOLS:** None
- **RID / ADR Dangerous Goods Code:** Not regulated
- **UN TDG Class / Packaging Group:** Not regulated
- **UN Hazard Identification Number:** None

Note: Transportation information provided is for reference only. Client is urged to consult 49 CFR 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.
**SECTION 15 - REGULATORY INFORMATION**

**TSCA (USA - Toxic Substance Control Act)**
All components of this product are listed on the U.S. Toxic Substances Control Act Chemical Inventory (TSCA Inventory) or are exempted from listing because a Low Volume or Polymer Exemption has been granted in accordance with 40 CFR 723.50.

**SARA TITLE III (USA - Superfund Amendments and Reauthorization Act)**
311/312 Hazard Categories
None

313 Reportable Ingredients:
None

**CERCLA (USA - Comprehensive Response Compensation and Liability Act)**
None

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986
There are no reportable chemicals present known to the state of California to cause cancer or reproductive toxicity.

**CPR (Canadian Controlled Products Regulations)**
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. WHMIS Classification: Not controlled

**IDL (Canadian Ingredient Disclosure List)**
Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 2.

**DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List)**
Components of this product identified by CAS number are listed on the DSL or NDSL, or are otherwise in compliance with the New Substances Notification (NSN) regulations. Only ingredients classified as "hazardous" are listed in Section 2 unless otherwise indicated.

**EINECS (European Inventory of Existing Commercial Chemical Substances)**
Components of this product identified by CAS numbers are on the European Inventory of Existing Commercial Chemical Substances.

**WGK Water Quality Index:** nwg  **VbK Index:** Not applicable

**REVISION SUMMARY:**
This MSDS has been revised in the following sections:
No changes noted

**WHMIS CLASSIFICATION:**
Not controlled

**SECTION 16 - OTHER INFORMATION**

**RISK PHRASES:**
Not classified

**SYMBOL(S) REQUIRED FOR LABEL**
Not classified

**SAFETY PHRASES:**
S2  Keep out of the reach of children.
S24/25  Avoid contact with skin and eyes

**R36/38  Irritating to eyes and skin.**

**HMIS HAZARD RATINGS**

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEALTH</td>
<td>1</td>
<td>* = Chronic Health Hazard</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>MODERATE</td>
</tr>
<tr>
<td>FLAMMABILITY</td>
<td>0</td>
<td>0 = INSIGNIFICANT</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>HIGH</td>
</tr>
<tr>
<td>PHYSICAL HAZARD</td>
<td>0</td>
<td>1 = SLIGHT</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>EXTREME</td>
</tr>
<tr>
<td>PERSONAL PROTECTIVE EQUIPMENT</td>
<td>C</td>
<td>Safety Glasses, Gloves, Apron</td>
</tr>
</tbody>
</table>

**NOTES & FULL R-PHRASE TEXT**

**MSDS Prepared By:**
Comprehensive Data Base, Inc.
P.O. Box 686
Seffner, FL 33583 USA
(863) 644 - 3298  www.compdatabase.com or www.msds.cc

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.