Protec® CDF 901

Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name
Protec CDF 901

Product Number
4901

Material Uses
Degreaser/Cleaner

Supplier/Manufacturer
U.S. Lubricants
A Division of U.S. Venture, Inc.
425 Better Way
Appleton, WI 54915
Phone: 920.735.8298

CAS Registry Number: Not applicable for mixtures
Chemical Family: Cleaner/Degreaser
Product Type: Cleaner
Preparation/Revision Date: 5.23.14

Section 2. HAZARDOUS COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>CAS #</th>
<th>OSHA Hazard</th>
<th>ACGIH TLV</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prop blend Nonionic Ethoxylated Alcohols</td>
<td>NA</td>
<td>No</td>
<td></td>
<td>3.85</td>
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<tr>
<td>Sodium Metasilicate</td>
<td>6834-92-0</td>
<td>N/E</td>
<td></td>
<td>.83</td>
</tr>
<tr>
<td>Potassium Hydroxide</td>
<td>1310-58-3</td>
<td>N/E</td>
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<td>2.55</td>
</tr>
</tbody>
</table>

Section 3. HAZARDS IDENTIFICATION

Physical State: Liquid
Color: Dark Amber
Odor: Slight characteristic odor

EMERGENCY OVERVIEW
Warning! Causes eye and skin irritation. May be harmful if swallowed. May be harmful if inhaled. May be harmful if absorbed through the skin. Repeated exposure may cause liver and kidney damage.

Potential Health Effects
Serious health effects are not expected for healthy individuals.

Routs of Exposure:
Absorption, Eyes, Ingestion, Inhalation, Skin
Target Organs
Eyes, Skin, Respiratory system

Eye Contact
May cause: Irritation, experienced as mild discomfort. Blinking, tearing, slight redness

Skin Contact
May cause mild irritation
Prolonged contact may be more severe. Prolonged contact may cause discomfort, swelling, and tissue discomfort. Contact may cause sensitization. Allergic skin reaction in a small proportion of individuals.

Skin Absorption
Prolonged or widespread contact may result in the absorption of potentially harmful amounts of material

Inhalation
Vapors or mists may irritate the nose, throat, respiratory tract. Vapors or mists may cause nasal discomfort and discharge, coughing, chest pain, headache, nausea, vomiting, diarrhea, dizziness, drowsiness, faintness, weakness and collapse.

Ingestion
Moderately toxic by ingestion. May cause irritation of the mouth, throat, and gastrointestinal tract. May cause burning sensation, abdominal discomfort, nausea, vomiting, diarrhea, dizziness, drowsiness, faintness, weakness and collapse.

Medical Conditions Aggravated By Exposure
Dermatitis, asthma, inflammatory or fibrotic pulmonary disease, kidney disorders, liver disorders

Other
Repeated overexposure may cause damage to the kidneys and liver. This product contains one or more amines, which may produce temporary and reversible haze blurred vision. Symptoms disappear when exposure is terminated.

Cancer Information
This product does not contain greater than .1% of the known or potential carcinogens listed in NTP, IARC or OSHA

Potential Environmental Effects
See Section 12

Section 4. FIRST AID MEASURES

- **Eye:** Immediately flush eye(s) with water for at least 15 minutes or until irritation subsides. Tilt head to avoid contaminating unaffected eye. Get medical attention if eye irritation develops or persists.

- **Skin:** Immediately flush skin with plenty of water while removing contaminated clothing and shoes. Do not reuse clothing or shoes until cleaned. If irritation develops or persists, get medical attention. Wash with soap and water.

- **Inhalation:** If swallowed, call a physician immediately. DO NOT induce vomiting unless directed to do so by a physician. Never give anything by the mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

Section 5. FIRE FIGHTING MEASURES
**Flash Point:** No flash at 200 degrees.

**Extinguishing Media:** Water spray, dry chemical or carbon dioxide

**Special Firefighting Procedures:** Evacuate area of unprotected personnel. Wear protective clothing, eye protection and NIOSH approved respiratory equipment

**Unusual Fire and Explosion Hazards:**
Process Hazard: Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure or sudden ingress of air into hot equipment under vacuum, may result in ignitions without the presence of obvious ignition source. Published “auto ignition” or “ignition” temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated-temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions.

**Hazardous Combustion Products:** Carbon oxides, Ammonia, Unidentifiable organic materials

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**Section 6. ACCIDENTAL RELEASE MEASURES**

**Spill Procedures:** Evacuate all personnel from area. Maintain adequate ventilation. Follow personal protective equipment recommendations found in Section 8. Never exceed any occupational exposure limit.
Contain spill, place into drums for proper disposal. Soak up residue with inert absorbent material. Flush remaining area with water to remove trace residue and dispose of properly. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs.

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**Section 7. HANDLING AND STORAGE**

**Handling Procedures:** Keep away from potential sources of ignition. Avoid breathing vapors if present. Keep containers closed when not in use. Wash thoroughly after handling. Make sure that proper warning labels are affixed in accordance with 29 CFR 1910.1200. Use good personal hygiene around product. Do not smoke or eat around product.

**Storage Procedures:** Do not store near potential sources of ignition. Store in a well ventilated area. Store in a dry area. Do not store around food or eating areas.

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**Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering Controls**
General room ventilation is required.
Use at elevated temperatures, or aerosol/spray applications, may require additional control measures such as local exhaust ventilation. Maintain adequate ventilation. Do not use in closed or confined spaces. Avoid creating dust or mist. Keep levels below exposure limits. To determine exposure levels, monitoring should be performed regularly.

**Respiratory Protection**
Respiratory protection must be worn if ventilation does not eliminate symptoms or keep levels below recommended exposure limits. If exposure limits are exceeded, wear NIOSH approved air purifying respirator. NIOSOSH approved self-contained breathing apparatus. Do not exceed limits established by the respirator manufacturer. All respiratory protection programs must comply with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements and must be followed whenever workplace conditions require a respirator’s use.

**Eye/Face Protections**
Wear chemical safety goggles while handling this product. Wear additional eye protection such as a face shield when the possibility for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses.

**Skin Protection**
Prevent contact with this product. Wear gloves and protective clothing depending on condition of use. Protective gloves: Chemical resistant, rubber apron, butyl rubber

**Other Protective Equipment**
Eye-wash station. Safety shower. Rubber apron

**General Hygiene Considerations**
Wash with soap and water before meal times and at the end of each work shift.

### Section 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>&gt;200 F</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.03</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>ND</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>ND</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>ND</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Complete</td>
</tr>
<tr>
<td>pH of concentrate</td>
<td>13</td>
</tr>
<tr>
<td>VOC (lbs/gal)</td>
<td>.21</td>
</tr>
<tr>
<td>Appearance/Odor</td>
<td>Dark amber color in neat form/Characteristic odor.</td>
</tr>
</tbody>
</table>

### Section 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions

**Hazardous Polymerization:** Will not occur under normal conditions

**Hazardous Decomposition:** Carbon oxides, nitrogen oxides, ammonia, aldehydes, ketones, unidentifiable organic materials

**Conditions to Avoid:** Do not mix this product with nitrites or other nitrating agents because of nitrosamine may be formed. Nitrosamines may cause cancer

**Incompatibility:** Acids, strong oxidizing agents, strong bases, aldehydes, ketones, carbon oxide, ammonia, acrylates, organic anhydrides, organic halides, copper, brass, aluminum

Food sugars. Deadly carbon monoxide gas can form in enclosed or poorly ventilated areas or tanks when alkaline products contact food, beverage or dairy products. Do not enter such areas until they have been well ventilated and carbon monoxide and oxygen levels have been determined to be within OSHA acceptable limits. If carbon monoxide and oxygen levels cannot be determined, wear NIOSH approved, self-contained breathing apparatus.
LD 50 Oral: No Data
LD 50 Skin: No Data
LD 50 Inhalation: No Data

Section 12. ECOLOGICAL INFORMATION

Ecotoxicological Information: No data available
Chemical Fate Information: No data available

Section 13. TRANSPORTATION INFORMATION

Hazardous Waste Number:
NA

Disposal Method
Dispose of in permitted hazardous waste management facility following all local, state and federal regulations. Since emptied containers contain product residue, follow label warnings even after the container is empty. Do not pressurize, cut, weld, solder, drill, grind or expose empty containers to heat, flame, sparks, or other sources of ignition. Disposal methods identified are for the product as sold. For disposal of used solution, all local, state and federal regulations must be followed.

Section 14. WASTE DISPOSAL INFORMATION

DOT Proper Shipping Name Unclassified
Hazard Class Not Regulated
Identification Number Not Regulated
Packing Group Not Regulated
Label Required Not Regulated
Reportable Quantity NA

Note: This material is not DOT regulated in shipments less than 10,144 pounds.

Section 15. REGULATORY INFORMATION

U. S. TSCA Inventory: All components of this product are listed on the TSCA Inventory or are exempt from TSCA inventory requirements.

SARA Title 111 Section 311/312 Category
Immediate Health Hazard-N
Delayed Health Hazard-N
Fire Hazard-N
Sudden Release of Pressure Hazard-N
Reactive Hazard-N

SARA Section 302/304/313 HAP
<table>
<thead>
<tr>
<th>Component</th>
<th>CERCLA RQ</th>
<th>SARA RQ</th>
<th>SARA TPQ</th>
<th>SARA 313</th>
<th>US HAP</th>
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<tbody>
<tr>
<td>Triethanolamine</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NO</td>
<td>NO</td>
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<tr>
<td>2-Amino-2-methyl-1-propanol</td>
<td>NA</td>
<td>NA</td>
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</table>

CALIFORNIA REGULATIONS
The following components are listed under Prop 65—No data available

WISCONSIN REGULATIONS
The following components are listed as a Wisconsin HAP—None

Section 16. OTHER INFORMATION

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS)
HEALTH = 2     FIRE = 1     REACTIVITY = 0     PP = B

NFPA IDENTIFICATION SYSTEM (HMIS)
HEALTH = 2     FIRE = 1     REACTIVITY = 1     PP = B

Rating: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Extreme

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