Protec® CDF 910

Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Protec CDF 910
Product Number: 4910

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>6-12</td>
</tr>
<tr>
<td>N Methyl-2-Pyrrolidone</td>
<td>872-50-4</td>
<td>No</td>
<td></td>
<td>4-9</td>
</tr>
<tr>
<td>Sodium Metasilicate</td>
<td>6834-92-0</td>
<td>N/E</td>
<td></td>
<td>.5-2</td>
</tr>
<tr>
<td>TEA</td>
<td>102-71-6</td>
<td>N/E</td>
<td></td>
<td>.5-2</td>
</tr>
</tbody>
</table>

Section 3. HAZARDS IDENTIFICATION

Physical State: Liquid
Color: Cloudy
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
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

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**Section 4. FIRST AID MEASURES**

- **Oral:** Do not induce vomiting. Get immediate medical attention
- **Eye:** 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:** Wash with soap and water. Immediately remove contaminated clothing. Get medical attention if irritation develops. Launder contaminated clothing before re-use. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.
- **Inhalation:** Vapor inhalation under ambient conditions is normally not a problem. If adverse effects are observed, remove exposed person to fresh air. If breathing is labored, administer oxygen. If breathing has stopped, apply artificial respiration. Call a physician immediately.
Section 5. FIRE FIGHTING MEASURES

Flash Point: No flash at 200 degrees.
Upper Flammable Limit: Not Determined
Lower Flammable Limit: Not Determined
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.
Auto-ignition Temperature: Not Determined

Section 6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Evacuate all non-essential personal. Personal Protective Equipment must be worn (see Personal Protection Section for PPE recommendations). Remove sources of ignition. Ventilate spill area. Prevent entry into sewers and waterways. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. Assure conformity with applicable Federal, state and local regulations.

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.

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. NIOSH 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>12</td>
</tr>
<tr>
<td>VOC (lbs/gal)</td>
<td>.87</td>
</tr>
<tr>
<td>Appearance/Odor</td>
<td>Cloudy amber and 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.

Section 11. TOXICOLOGICAL INFORMATION
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 train 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
Component CERCLA RQ SARA RQ SARA TPQ SARA 313 US HAP
Triethanolamine  NA  NA  NA  NO  NO
2-Amino-2-methyl-1-propanol  NA  NA  NA  NO  NO

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

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