Hercules Chemical Company, Inc.

Hercules PVC Cement-Clr, Med Body, Med Set, "Low VOC"

Manufacturer MSDS Number: 92

SECTION 1: Chemical Product and Company Identification

MSDS Name: Hercules PVC Cement-Clr, Med Body, Med Set, "Low VOC"
Manufacturer Name: Hercules Chemical Company, Inc.
Address:
111 South Street
Passaic NJ 07055

Business Phone: (800) 221-9330
Business Fax: (800) 333-3456
For information in North America, call: (800) 221-9330
Manufacturer MSDS Revision Date:
11/12/2008

HMIS
Health Hazard: 3
Fire Hazard: 4
Reactivity: 1
Personal Protection: G

OSHA-Required Health And Safety Information!
This Material Safety Data Sheet (MSDS) was requested moments ago from Hercules Automated Fax Information System. Please forward it immediately to the person in charge of MSDS's, or retain it at the machine until claimed.

Meets OSHA 29 CFR 1910.1200

SECTION 2: Hazardous Ingredients/Identity Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS#</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetrahydrofuran</td>
<td>109-99-9</td>
</tr>
</tbody>
</table>

OSHA PEL TWA: 200 PPM
ACGIH TLV TWA: 200 PPM
Hazardous: Yes
Other Exposure Guidelines:
Not Applicable

http://www.fastenal.com/web/msds/getmsds.ex?sku=0471755
<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS#</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl Ethyl Ketone</td>
<td>78-93-3</td>
</tr>
</tbody>
</table>

OSHA PEL TWA: 200 PPM  
ACGIH TLV TWA: 200 PPM  
Hazardous: Yes  
Other Exposure Guidelines: Not Applicable

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS#</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyclohexanone</td>
<td>108-94-1</td>
</tr>
</tbody>
</table>

OSHA PEL TWA: 50 PPM  
ACGIH TLV TWA: 20 PPM  
Hazardous: Yes  
Other Exposure Guidelines: Not Applicable

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS#</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
</tr>
</tbody>
</table>

OSHA PEL TWA: 1000 PPM  
ACGIH TLV TWA: 500 PPM  
Hazardous: Yes  
Other Exposure Guidelines: Not Applicable

Composition/Information:  
This MSDS is for LOW VOC Product (As shown on label) ONLY. For regular product see MSDS # #52.

HMIS Hazard Rating:  
Health: 3  
Flammability: 4  
Reactivity: 1  
Personal Protection: G

SECTION 3 : Physical And Chemical Characteristics

Physical State/Appearance:  
Clear Viscous Liquid

Odor:  
Ethereal & Acetone-like

Vapor Pressure:  
190 mm Hg Based on first boiling component-Acetone

Vapor Density:  
(Air = 1): 2.0 to 2.5

Boiling Point:  
133 deg F Based on first boiling component-Acetone

Melting Point:  
(Deg F): Not Applicable

Solubility:  
In Water: 55% to 75%
Specific Gravity:
\((H_2O = 1): 0.910 \pm 0.03\)

Evaporation Point:
\((\text{Butyl Acetate} = 1): 7-11\)

Volatile Organic Compound Content:
510 gpl

Flash Point:
\(0 - 6\) deg F (Based on Acetone)

Upper Flammable Explosive Limit:
13%

Lower Flammable Explosive Limit:
2%

SECTION 4 : Fire And Explosion Hazards

Flash Point:
\(0 - 6\) deg F (Based on Acetone)

Flash Point Method:
T.C.C.

Upper Flammable or Explosive Limit: 13%

Lower Flammable or Explosive Limit: 2%

Extinguishing Media:
Dry chemical. Foam. Carbon dioxide

Fire Fighting Instructions:
Handle as flammable liquid. Wear self-contained breathing apparatus & chemical goggles. Water may be ineffective, but should be used to keep fire-exposed containers cool.

Unusual Fire Hazards:
Vapor is heavier than air and travels considerable distance to source of ignition and flashback. On long standing may form peroxides which may cause violent reaction especially upon evaporation to dryness.

SECTION 5 : Health Hazards

Applies to All Ingredients:

Route of Exposure:
Inhalation: Yes/Primary
Skin: Yes/Primary
Ingestion: Yes/Secondary

Potential Health Effects:
Corrosive to eyes and skin irritant. Severe overexposure can cause headache, dizziness and narcosis. May cause dermatosis with prolonged repeated contact.

Eye Contact:
Signs And Symptoms of Exposure: Vapors slightly uncomfortable, splashes irritating. Will cause painful burning or stinging of eyes and lids, watering of eyes and inflammation of conjunctiva.

Skin Contact:
Signs And Symptoms of Exposure: Prolonged contact causes common solvent defatting effect.

Inhalation:
Signs And Symptoms of Exposure: Will cause irritation of mucous membranes, nose, eyes & throat, coughing, difficulty of breathing. Exposure to high vapor concentration may cause headache, dizziness, nausea, narcosis.

Ingestion:
Signs And Symptoms of Exposure: No effects of exposure expected.

Carcinogenicity:

OSHA Designation: Regulated: NO
NTP Designation: NO
IARC Designation: NO
Aggravation of Pre-Existing Conditions:
No data found.

SECTION 6 : Emergency And First Aid Procedures

Eye Contact:
Immediately flush eyes with plenty of water for 15 minutes. Consult a physician.

Skin Contact:
Wash affected areas with soapy water. Remove contaminated clothing.

Inhalation:
Remove to fresh air. If not breathing give artificial respiration preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.

Ingestion:
Do not induce vomiting. If conscious, dilute by giving 2 glasses of water. Call a physician immediately.

SECTION 7 : Reactivity Data

Chemical Stability:
Stable

Conditions to Avoid:
Keep in closed containers away from sparks and open flame.

Incompatibilities with Other Materials:
(Materials To Avoid): Strong oxidizing materials, Lithium Aluminum Hydride, Sodium Aluminum Hydroxide, Sodium and Potassium Hydroxides.

Hazardous Polymerization:
Avoid excessive exposure to air and cationic initiators like Lewis Acids.

Hazardous Decomposition Products:
CO2 and CO are formed. Irritating peroxide fumes form when heated to decomposition.

SECTION 8 : Precautions For Safe Handling

Spill Cleanup Measures:
Eliminate sources of ignition. Absorb with sand or inert absorbing material and dispose of with solid waste according to Federal, State and local regulations. Flush
spill area with water, avoid flushing into confined areas.

Other Precautions:
Use normal good personal hygiene.

Storage:
Store in cool place, well-ventilated area. Keep away from open flame and sources of ignition.

Hygiene Practices:
Wash thoroughly after handling. Avoid ingestion of the cements. Do not eat or drink when using cements or in the vicinity where such cements are being used.

Waste Disposal:
Incinerate in accordance with Federal, State and local regulations.

SECTION 9 : Control Measures

Ventilation System:
Mechanical: All ventilating devices must be located so they do not provide a source of ignition.

Special: When using cements in an area of limited ventilation, use a ventilation device such as a fan or air mover to maintain a safe air concentration.

Local Exhaust:
As required.

Other Exhaust Information:
Not Applicable

Hand Protection Description:
Gloves: PVA gloves.

Eye/Face Protection:
Chemical safety goggles.

Protective Clothing/Body Protection:
Apron, boots, eye bath, safety shower.

Respiratory Protection:
In confined spaces or other circumstances where adequate ventilation cannot be assured use NIOSH-approved respirator, positive pressure airline mask, or self contained breathing apparatus.

Work/Hygienic Practices:
Wash thoroughly after handling. Avoid ingestion of the cements. Do not eat or drink when using cements or in the vicinity where such cements are being used.

SECTION 10 : Other Information

Applies to all ingredients:
OSHA 29 CFR 1200:
Meets OSHA 29 CFR 1910.1200

HMIS:
Health Hazard: 3
Fire Hazard: 4
Reactivity: 1
Personal Protection: G

MSDS Revision Date:
11/12/2008

For Hercules Material Safety Data Sheets by fax anytime, day or night, just call 1-800-942-INFO (1-800-942-4636) from any Touch-Tone phone. Have your fax number ready. Checking the product label for the correct MSDS ## will save time.

FACTS FAXED FAST!

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