VCI Anti-Rust Paper - All Grades

Manufacturer MSDS Number: 1102VCI

SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Distributor Name: Uline
Distributor Address:
   2200 S. Lakeside Drive
   Waukegan, IL  60085

   Chemtrec Emergency Number: 1-800-424-9300, 703-527-3887

Distributor Phone: (800) 295-5510
For information in North America, call: (800) 295-5510
Manufacturer MSDS Revision Date: 2/07/05
Trade Names:
   Protek Wrap® 32

Chemical Family: Substituted ammonium nitrite complex
Generic Description:
   Generic name: A natural kraft paper impregnated with a ferrous volatile corrosion inhibitor (VCI).
Comments:

   File ## 1102VCI

   By: Joy Bitter
   Approved by: Roy Galman

Manufacturer Product Codes:
   PW32

SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS#</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daubert Cromwell Mixture</td>
<td>Not Available</td>
<td>5-25%</td>
</tr>
</tbody>
</table>

Other Exposure Guidelines:

Exposure limits not established.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS#</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kraft paper</td>
<td>Not Available</td>
<td>75-95%</td>
</tr>
</tbody>
</table>
**Chemical Name**  
Sodium Nitrite  
CAS#  
7632-00-0  
Percent  
3.5-8%

Other Exposure Guidelines:  
Exposure limits not established

### SECTION 3 : HAZARDS IDENTIFICATION

As with all paper products, PW32 may combust when exposed to open flame.

### SECTION 4 : FIRST AID MEASURES

**Eye Contact:**  
Flush with water.

**Skin Contact:**  
Wash with soap and water.

**Inhalation:**  
No emergency care is anticipated. If irritation or discomfort occur, remove individual to fresh air. (See section 8)

**Ingestion:**  
Swallowing: No harmful effects expected. Taper products cannot be digested. Consult a physician if swallowed in quantity.

### SECTION 5 : FIRE FIGHTING MEASURES

**Flash Point:**  
> 450 deg F

**Extinguishing Media:**  
Use CO2, foam, or dry chemical

**Fire Fighting Instructions:**  
Use self-contained breathing apparatus and protective clothing for fighting large paper fires.

**Unusual Fire Hazards:**  
None

**Hazardous Decomposition Byproducts:**  
Carbon monoxide, carbon dioxide, and small amount of nitrogen oxides.

### SECTION 6 : ACCIDENTAL RELEASE MEASURES

**Spill Cleanup Measures:**  
This product is not expected to cause a hazardous situation. As a solid, spill containment is not an issue See section 13 for disposal information.

**Other Precautions:**  
Avoid temperatures above 250 deg F. Any proposed use of the product in elevated temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained.
SECTION 7 : HANDLING and STORAGE

Storage:
Normal precautions common to good manufacturing practice should be followed in handling and storage. This product is for industrial use only. Do not store large rolls stacked one above the other.

SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION

Ventilation System:
Normal (mechanical) ventilation is expected to be satisfactory.

Hand Protection Description:
Protective-gloves: All types are adequate.

Eye/Face Protection:
Safety glasses.

Respiratory Protection:
Under normal handling conditions, respirator protection is unnecessary. If personnel experience respiratory discomfort or irritation, and ventilation is not possible, a NIOSH approved half-mask respirator equipped with organic vapor cartridge and dust/mist pre-filter is recommended.

Other Protective:
Safety shoes and appropriate lifting equipment are recommended when handling large rolls (> 75 lb.)

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical State/Appearance:
Kraft paper

Color:
Brown

Odor:
Slight characteristic odor

Physical State:
Solid

Boiling Point:
Not Applicable

Flashpoint:
> 450 deg F

Basis weight (lbs./ream): 43 (1 ream = 3000 sq. ft)

SECTION 10 : STABILITY AND REACTIVITY

Chemical Stability:
Stable

Incompatibilities with Other Materials:
(Materials to avoid): Normally not reactive; however, avoid bases, strong acids, strong oxidizing agents and materials reactive with hydroxyl compounds

**Hazardous Polymerization:**

Will not occur

**SECTION 11 : TOXICOLOGICAL INFORMATION**

**Applies to All Ingredients:**

**Acute Health Effects:**

From the available information there is no evidence of adverse effects from overexposure by swallowing, skin absorption, inhalation, skin contact or eye contact.

Effects of overexposure under specialized condition: Overexposure to vapors generated at high temperature may result in eye and respiratory tract irritation. Prolonged exposure to vapors may result in nausea and headaches.

**Other Toxicological Information:**

TLV & source: None established by ACGIH or OSHA

**SECTION 12 : ECOLOGICAL INFORMATION**

**Ecological Paragraph:**

This product has been screened and is compatible with repulping operations. Paper mills have approved it for general recycling. As a result, we recommend recycling.

**SECTION 13 : DISPOSAL CONSIDERATIONS**

**Waste Disposal:**

Recycling is strongly recommended as an option. Consult your local waste recycling facility for information. Landfill or incinerate in, a furnace, where permitted under appropriate Federal, State, and Local regulations.

**SECTION 14 : TRANSPORT INFORMATION**

**Transportation Information:**

This product is non-hazardous. No shipping restrictions apply.

**SECTION 15 : REGULATORY INFORMATION**

**Sodium Nitrite:**

**SARA:**

Superfund Amendments and the Reauthorization Act of 1986 (SARA) title III require emergency planning based on threshold planning quantities (TPQs) and release reporting based on reportable quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311, and 312). Components present in this produce at level, which could require reporting under the stature, are: Sodium Nitrite

**Section 313 Toxic Release Form:**
Superfund amendments and the Reauthorization Act of 1986 (SARA) title III require the submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all MSDS' that are copied and distributed for this material. Components present in this product at a level, which could require reporting under the statute, are; Sodium Nitrite

SECTION 16 : ADDITIONAL INFORMATION

MSDS Revision Date:
2/07/05

MSDS Author:
By: Joy Bitter
Approved by: Roy Galman

Disclaimer:
The opinions expressed herein are those of qualified experts within manufacturer. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and of these opinions and the conditions of the use of the product are not within the control of manufacturer, it is the user's obligation to determine the conditions of safe use of the product.

Copyright© 1996-2006 Actio Software Corporation. All Rights Reserved.