<table>
<thead>
<tr>
<th>PRODUCT •</th>
<th>KEYWAX WX1013 RUBBER WAX CONCENTRATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESCRIPTION</td>
<td>KEYWAX WX1013 is a blend of 30% butyl rubber in microcrystalline wax with a melting point of approximately 160°F (71°C). KEYWAX WX1013 eliminates the need for heavy duty rubber mixing equipment and prolonged mixing times when adding butyl rubber to wax. Butyl rubber improves most properties of wax coatings, particularly adhesion, flexibility and strength.</td>
</tr>
</tbody>
</table>
| ADVANTAGES | ✓ Pre-dissolved butyl rubber concentrate in microcrystalline wax
✓ Simplified processing with Keywax - *Just cut it back with your wax!*
✓ Better adhesion & strength
✓ Improved flexibility |
| PHYSICAL PROPERTIES (Typical) | Appearance | White to pale yellow waxy material |
Rubber Content, Type | 30%, Butyl Rubber |
Antioxidant Content, Type | 0.01% Food Grade BHT |
Viscosity @ 250°F (121°C) | 275,000 cP (Brookfield RVF #SC4-29, 2 rpm) |
| DILUENT AND CLEANING PROCEDURE | Dilute with molten wax to desired viscosity. KEYWAX WX1013 will release cleanly from release liners. It must be scraped from other surfaces. |
| HANDLING & STORAGE (Typical) | Store below 125°F (52°C) to prevent blocking. The product’s storage life is typically 12 months. |
| PRECAUTIONS | PLEASE READ MATERIAL SAFETY DATA SHEET BEFORE USING |
| PACKAGING | Slabs, approximately 12 lbs. (5.45 kilos) each, packaged in pallet boxes. |
| GENERAL INFORMATION | Key Polymer can custom manufacture rubber wax concentrates with other rubber grades, antioxidants, waxes and food grade additives as specified by the user. |
Keywax WX1013
Rubber Wax Concentrate Viscosity vs Temperature

Keywax WX1013 Cutback
Viscosity vs Temperature vs Keywax Percentage in Cutback

Key Polymer Corporation

All sales subject to terms & conditions on reverse side.
KEYWAX FDA Classifications

KEYWAX Rubber/Wax Concentrates are dispersions of butyl or polyisobutylene synthetic rubber in paraffin or microcrystalline wax. They offer the formulator of hot melt adhesives and coatings a convenient means of incorporating rubbery polymers into wax. KEYWAX Rubber/Wax Concentrates are supplied at the maximum concentration which can then be blended with additional wax using simple mixing equipment.

The ingredients used in KEYWAX Rubber/Wax Concentrates are regulated by code of Federal regulations 21 Food and Drugs. The information provided here is useful for selecting KEYWAX Rubber/Wax Concentrates to be used in FDA regulated food packaging applications. The use of KEYWAX Rubber/Wax Concentrates is governed by general and specific FDA regulations which pertain to particular end products and additive substances. Some regulations provide a limit on the maximum quantity of an additive, or the quality of an additive. There may also be extraction requirements for some finished materials or articles. The appropriate regulations should be obtained and reviewed in detail prior to use of all products for FDA regulated applications.

It should be noted that the Food and Drug Administration does not actually approve any rubber wax compounds. Rather it publishes lists of permissible ingredients, concentrations and extraction prerequisites. It is the responsibility of the user to ensure that FDA regulated compounds are formulated according to these guidelines, and are processed under conditions of good manufacturing practice.

KEYWAX Rubber/Wax Concentrates are rubber reinforced waxes and all the ingredients used are listed in Federal Regulations 21 Food and Drugs chapter 178.3850 as Reinforced Wax. Noteworthy too, the individual ingredients of KEYWAX Rubber/Wax Concentrates are also listed in other Federal Regulations 21 Food and Drugs chapter covering direct and indirect additives for food as follows: Butyl Rubber per 177.1420 – Isobutylene Polymers; Polyisobutylene rubber per 172.615 – Chewing gum base and 177.1420 – Isobutylene Polymers; Microcrystalline and Paraffin Wax per 172.886 and 178.3710 – Petroleum wax; and BHT per 172.115 – BHT, 172.615 – Chewing gum base, 178.2010 – Antioxidants and 178.3710 – Petroleum Wax.

DCO 1575
Rev AA 10-20-2006
**KEYWAX FDA Classifications**

The table shows **KEYWAX Rubber/Wax Concentrates** characterized as a reinforced wax and indirect food additive for packaging cheese and cheese products per 178.3850 and in the context of their application as indirect food additives as adhesives per 175.105 and components of coatings per 175.300 and in their context of application as indirect food additives as components of paper and paperboard per 176.170 and 176.180.

<table>
<thead>
<tr>
<th>FDA Scope</th>
<th>21 CFR Section Excerpt</th>
<th>KEYWAX Rubber / Wax Concentrates</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>21 CFR Section 178.3850</strong></td>
<td>Reinforced Wax</td>
<td>Polysobutylene &amp; Butyl Rubbers and Paraffin and Microcrystalline Waxes and BHT are listed.</td>
</tr>
<tr>
<td><strong>21 CFR Section 175.105</strong></td>
<td>Adhesives</td>
<td>Polysobutylene &amp; Butyl Rubbers and Paraffin and Microcrystalline Waxes and BHT are listed in paragraph (C) of this section.</td>
</tr>
<tr>
<td><strong>21 CFR Section 175.300</strong></td>
<td>Resinous &amp; Polymeric Coatings</td>
<td>Polysobutylene &amp; Butyl Rubbers and BHT are listed. 175.300 b1 b2 lists GRAS thus Microcrystalline and Paraffin Waxes per 172.886.</td>
</tr>
<tr>
<td><strong>21 CFR Section 176.170</strong></td>
<td>Paper &amp; Paperboard Components in Contact with Aqueous and Fatty Foods</td>
<td>Microcrystalline &amp; Paraffin Waxes &amp; BHT are listed. 176.170 a1 lists GRAS thus Polysobutylene Rubber per 172.615. 176.170 a2 lists GRAS in packaging thus Butyl Rubber per 177.1420.</td>
</tr>
<tr>
<td><strong>21 CFR Section 176.180</strong></td>
<td>Paper &amp; Paperboard Components in Contact with Dry Foods</td>
<td>Polysobutylene &amp; Butyl Rubbers and Paraffin and Microcrystalline Waxes are listed. 176.180 b1 lists 176.170 and 170 to 189 thus BHT.</td>
</tr>
</tbody>
</table>
KEY POLYMER CONDITIONS OF SALE

Key Polymer does not accept any terms or conditions of sale or make any warranties, expressed or implied, other than those contained in this Statement or in any existing written contract between the seller and buyer covering Key Polymer Corporation Products.

USERS RESPONSIBILITY:
Key Polymer product usage suggestions, bulletins and manuals cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined if or where additional precautions or procedures may be necessary. All health and safety information contained in Key Polymer’s Material Safety Data Sheets for the products being used should be provided to all employees with exposure to the product. It is the responsibility of the user to provide this information in this manner and to use the information to develop appropriate work practice guidelines and employee instructional programs.

ORDER ACCEPTANCE:
Orders are accepted upon the understanding that seller is not obligated to make delivery by any specified date nor liable for damage due to delay or failure in filling order caused by contingencies beyond its control. If delivery dates are specified, they are estimates only and not guaranteed. In the event of unreasonable delay in filling order, buyer may cancel same on written notice to seller, provided said order is not then in process of manufacture.

EXCISE TAXES:
The amount of excise taxes on the production, sale, delivery or transportation of material covered hereby shall be paid by the buyer.

DISCLAIMER OF LIABILITY:
As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this material. Information contained herein is believed to be true and accurate, but all statements or suggestions are made without warranty, express or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state and local laws and regulations remains the responsibility of the user.

Buyer shall make an examination both as to quantity and quality of any material delivered hereunder immediately upon receipt and failure of buyer to give notice of any claims within 15 days after receipt of such material shall be an unqualified acceptance of such material and a waiver by buyer of all claims with respect hereto.

LIABILITY LIMITATION:
Buyer assumes all risk and liability for the results obtained by the use of any material delivered by Key Polymer in the manufacturing processes of buyer or in combination with other substances in manufacturing and repair processes of buyer or in combination with other substances. No claim of any kind, whether as to material delivered or for non-delivery of material, shall be greater in amount than the purchase price of this material in respect of which such claim is made.

KEY POLYMER CORP.
LAWRENCE, MA 01843

REV AAA
DCO # 1645
February 26, 2007