

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

075349667

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

075348693 075349519 075349576 075349600

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

075348727 075348750 075348784 075348818 075348842 075348875 075348909 075348933 075348966 075348990  
075349022

**Section 1 – Identification**
**Product Name:** WIRE WAX "KEWAX"

**Manufacturer:** Keystone Industries  
 52 W King St  
 Myerstown PA 17067

**Chemical Name / Synonyms:** Wax

**Information Contacts:** (856) 333-3131

**Emergency Phone Numbers:** US & Canada ( 800 ) 535 - 5053

**Family:** Dental waxes  
**Product Use:** Dental Modeling

**EU Address:** KEYSTONE EUROPE LLC.  
 Batavenweg 7

**Product #:** 1880500, 1880510, 1880520, 1880530,  
 1880540, 1880550, 1880560, 1880570, 1880580, 1880590,  
 1880600, 1880620, 1880630, 1880640, 1880650, 1880660,  
 1880670

 5349BC OSS, Netherlands  
**Emergency EU Phone Numbers:**  
 International: 1-352-323-3500

**Section 2 – Hazards Identification**
**EMERGENCY OVERVIEW**

This information is based on findings from related or similar materials.

- Material is not considered hazardous by OSHA per 29 CFR 1910 and EU directives.
- Molten Resin cause severe thermal burns.
- Thermal decomposition will generate irritant and harmful gases.

**Potential Health Effects, Signs and Symptoms of Exposure:**

Primary Route of Entry

|            |  |
|------------|--|
| Eye        | Fumes from molten product may cause irritation. Contact with molten product may cause severe thermal burns.  |
| Skin       | Prolong contact is essentially non-irritating to skin. There can be mechanical injury, if impacted with skin. Under normal processing conditions, material is heated to elevated temperatures; contact with the material can cause thermal burns. No adverse effects anticipated by skin absorption. |
| Ingestion  | Low order of acute systematic toxicity.  |
| Inhalation | Product dust may cause respiratory tract irritation. Molten wax may cause irritation to the respiratory tract.   |

NOTE: Refer to Section 11, Toxicological Information for Details

**Section 3 – Composition/Information on Ingredients**

None of the components in this product are considered hazardous by OSHA per 29 CFR 1910 and by any EU directives. Consists of a mixture of waxes, resins, and pigments.

| Chemical Identity      | CAS Numbers              | EINECS# | INCI Name | Exposure OSHA<br>TWA/STEL  | Limits ACGIH<br>TWA/STEL   | Carcinogen<br>IARC/NTP/OSHA | %    |
|------------------------|--------------------------|---------|-----------|----------------------------|----------------------------|-----------------------------|------|
| Microcrystalline Wax   | 63231607                 |         |           | 2 ppm (mg/m <sup>3</sup> ) | 2 ppm (mg/m <sup>3</sup> ) | N/E                         | 100% |
| N/E – None Established | N/DA – No Data Available |         |           |                            |                            |                             |      |
| N/R – Not Reviewed     | N/A – Not Applicable     |         |           |                            |                            |                             |      |

This product is completely colophony free with no detectable trace elements.

See Section 16 for Hazard and Precautionary Statement Key.

**Section 4 – First Aid Measures**

Solid Product is neither an irritant nor gives off hazardous vapours at ambient temperatures

|                          |  |
|--------------------------|--|
| First Aid for Eye        | Ambient wax – flush wax particles with tepid water. Hot wax – seek medical attention.  |
| First Aid for Skin       | Ambient wax – wash with soap and water. Molten wax – cool wax immediately – do not remove wax from skin. Seek medical attention.           |
| First Aid for Ingestion  | Small quantities – permit to pass through system. Large quantities – seek medical attention.   |
| First Aid for Inhalation | When fume or mist occurs remove to fresh air. If person is not breathing provide oxygen or artificial respiration. Seek medical attention. |

**Section 5 – Fire Fighting Measures**

| Flash Point (°F/°C)      | Flammable Limit (vol%) | Auto-ignition Temperature (vol%) |
|--------------------------|------------------------|----------------------------------|
| >200°C<br>COC, ASTM D-92 | LEL: N/A<br>UEL: N/A   | Not Determined                   |

**Method:**

**Extinguishing Media:** Use water fog, alcohol-type foam, dry chemical, or CO<sub>2</sub>. Do not use direct stream of water.  
**Fire Fighting Instructions:** Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece in positive pressure mode. Move containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool.  
**Unusual Hazards:** As with most solid or particulate organic material, extremely high dust concentration in air may result in a potential fire hazard. Good housekeeping practices will prevent any significant accumulations.

**Section 6 – Accidental Release Measures**

**Spill or Release Procedures:** Minor spills – Clean up immediately. Slipping hazard. In molten state, avoid contact with skin and eyes. If possible, allow material to cure, before handling.  
 Major spills – Clear area of personnel. Restrict access to area. Clean up immediately. Slipping hazard. In molten state, avoid contact with skin and eyes. If possible, allow material to cure, before handling.  
 See section 8 & section 12.

**Section 7 – Handling and Storage**

**Handling:** No special handling requirements when product is at room temperature. If handling in molten state, see section 8. Observe good standard hygiene measures in handling chemical substances.  
**Storage:** Store dry at temperatures not exceeding 45°C. Do not store in direct sunlight. Keep away from food.  
**Explosion Hazard:** None.

**Section 8 – Exposure Controls / Personal Protection**

**Engineering Controls:** No special engineering controlled required. Local ventilation is adequate.

**Personal Protective Equipment**

**General:** To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132), or European Standard EN166 be conducted before using this product.  
**Eye/ Face Protection:** Wear safety glasses with side shields. Wear face shield during thermal process.  
**Skin Protection:** Thermal insulating glove when handling molten product. Protective work clothing.  
**Respiratory Protection:** None under ordinary operating use.

**Section 9 – Physical and Chemical Properties**

| Appearance | Odor & Odor Threshold | pH  | Specific Gravity              | Viscosity | % Volatile |
|------------|-----------------------|-----|-------------------------------|-----------|------------|
| Waxy solid | Little or no odor     | N/A | (H <sub>2</sub> O = 1): 0.934 | N/A       | N/A        |

| Boiling Point/<br>Freezing Point | Decomposition<br>Temperature | Octanol/Water<br>Partitioning Coefficient<br>Log Po/w | Vapor<br>Pressure: | Vapor<br>Density | Evaporation<br>Rate | Ignition | Solubility<br>In Water<br>(20°C) |
|----------------------------------|------------------------------|---|--------------------|------------------|---------------------|----------|----------------------------------|
| 660 - 730°F/<br>N/A              | N/E                          | N/DA  | N/A                | N/A              | N/A                 | N/E      | Insoluble                        |

| Flash Point (°F/°C)      | Flammable Limit (vol%) | Auto-ignition Temperature (vol%) |
|--------------------------|------------------------|----------------------------------|
| >200°C<br>COC, ASTM D-92 | LEL – N/A<br>UEL – N/A | Not determined                   |

**Section 10 – Stability and Reactivity**

**Stability:** Stable  
**Incompatibility (Materials to Avoid):** Strong oxidizing materials

|   |  |
|---|--|
| <b>Hazardous Decomposition Products:</b><br>Carbon dioxide (Carbon monoxide with incomplete combustion) | <b>Hazardous Polymerization:</b><br>Will not occur |
| <b>Conditions to Avoid:</b> Storage at temperatures exceeding 45°C.                                     |  |

### Section 11 – Toxicological Information

|                     |                       |                           |                   |                      |
|---------------------|-----------------------|---------------------------|-------------------|----------------------|
| Acute Oral Toxicity | Acute Dermal Toxicity | Acute Inhalation Toxicity | Irritation – skin | Irritation – Eye     |
| N/DA                | N/DA                  | N/DA                      | N/DA              | N/DA                 |
| Sensitization       |                       | Mutagenicity              |                   | Sub-chronic Toxicity |
| N/DA                |                       | N/DA                      |                   | N/DA                 |

### Section 12 – Ecological Information

#### Ecotoxicological Information

|                        |                                 |                         |                  |                             |
|------------------------|---------------------------------|-------------------------|------------------|-----------------------------|
| Acute Toxicity to Fish | Acute Toxicity to Invertebrates | Acute Toxicity to Algae | Bioconcentration | Toxicity to Sewage Bacteria |
| N/DA                   | N/DA                            | N/DA                    | N/DA             | N/DA                        |

#### Chemical Fate Information

|                        |      |
|------------------------|------|
| Biodegradability       | N/DA |
| Chemical Oxygen Demand | N/DA |

### Section 13 – Disposal Considerations

Dispose of in compliance with governmental regulation (state and federal).

Dispose of container and unused contents in accordance with federal, state and local requirements. For EU Member States, please refer to any relevant Community provisions relating to waste. In their absence, it is useful to remind the user that national or regional provisions may be in force.

### Section 14 – Transport Information

Non-regulated, non-hazardous material: DOT, IATA, IMO (IMDG).

### Section 15 – Regulatory Information

#### US Federal Regulations

|                                     |  |
|-------------------------------------|--|
| Clean Air Act: HAP/ODS              | This product contains the following HAP’s or ODS: <ul style="list-style-type: none"> <li>• NONE</li> </ul>   |
| Clean Water Act: Priority Pollutant | This product contains the following chemicals listed under the U. S. Clean Water Act Priority Pollutant and Hazardous Substance List: <ul style="list-style-type: none"> <li>• None</li> </ul> |
| FDA: Food Packaging Status          | This product has not been cleared by the FDA for use in food packaging and / or other applications as an indirect food-packaging additive.   |
| Occupational Safety and Health Act  | This product is considered to be hazardous under the OSHA Hazard Communication Standard. It’s hazards are: <ul style="list-style-type: none"> <li>• None</li> </ul>                            |
| SARA Title III: Section 302 (RQ)    | This product contains no chemicals regulated under Section 302 as extremely hazardous substances.  |
| SARA Title III: Section 302 (TPQ)   | This product does not contain chemicals regulated under Section 304 as extremely hazardous chemicals for emergency release notification (“CERCLA” List).                                       |
| SARA Title III: Section 311-312:    | This product is not considered to be hazardous under the OSHA Hazard Communication Standard and is regulated under Section 311-312 (40 CFR 370).   |

|                                |   |
|--------------------------------|---|
| SARA Title III: Section 313:   | This product contains the following chemicals which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: <ul style="list-style-type: none"> <li>• None</li> </ul> |
| TSCA Section 8(b): Inventory:  | This product complies with US TSCA requirements.  |
| TSCA Significant New Use Rule: | None of the chemicals in this material have a SNUR under TSCA.  |

**State Regulations**

The components to this product are listed on the appropriate applicable state regulations.

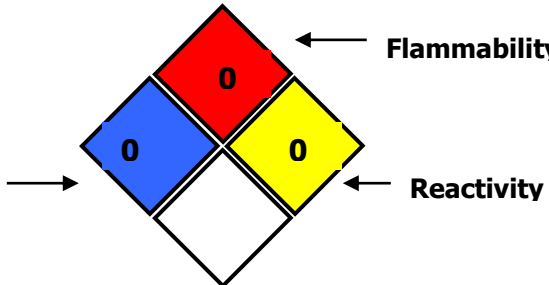
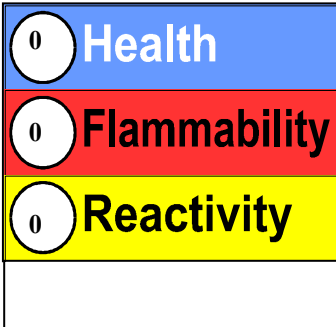
**International Regulations**

|  |   |
|--|---|
| CDSL: Canadian Inventory (on Canadian Transitional List) | All components are listed, where applicable.<br>Not Controlled by WHMIS |
|--|---|

**Labeling according to EC directives – 1272/2008 {CLP} AND 1999/45/EC (items in parenthesis relate to 1999/45/EC)**

|                     |  |
|---------------------|--|
| European Community: | <b>For Wire Wax "Kewax" (finished product):</b> <ul style="list-style-type: none"> <li>• DANGER SYMBOLS: N/A – non hazardous</li> <li>• HAZARD STATEMENT: N/A</li> <li>• PRECAUTIONARY STATEMENT: N/A</li> </ul> |
|---------------------|--|

**Section 16 – Other Information**
**Hazard Rating System (Pictograms)**

|  |  |
|--|--|
| <b>NFPA:</b><br><br> | <b>HMIS:</b><br><br> |
|--|--|

|                   |  |
|-------------------|--|
| Revision History: | 12/2006 Overall format revision              |
|                   | 12/14/2011 Reviewed, no content changes made |
|                   | 01/09/2015 Format updated                    |

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