

## SAFETY DATA SHEETS

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

071315639

**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).**

071314426 071314582 071314616 071315605 071315613 071315621 071315647 071315688 071315696 071315704  
071315712 071315720 071315738 071315902 074298691 074349072 074399507 074399515 074399531 074399556  
074399564 074399572 074399580 074399598 074399606 074399614 074399622 074399630 074399648 074399663  
074399671 074399796 074399804 074399887 074399895 074404588 074418232

# MATERIAL SAFETY DATA SHEET

## WAX PRODUCTS

### 1 - IDENTIFICATION

**Manufacturer:** KerrLab  
**Address:** 1717 West Collins Avenue  
**City, State, Zip:** Orange, CA 92867  
**Telephone:** 1-800-KERR-123  
**24-Hour Emergency:** Chemtrec 1-800-424-9300  
International 1-703-527-3887  
**Date Prepared:** September 6, 2005

### 2 - HAZARDOUS INGREDIENTS

#### Hazardous Ingredients

This product contains no hazardous components as defined in the OSHA Hazard Communication Standard (29 CFR 1910.1200).

#### Other Ingredients

All wax products contain mixtures of natural and synthetic paraffinic waxes and oils along with non-hazardous stabilizers and food grade colorants.

### 3 - PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** N/D  
**Specific Gravity (H<sub>2</sub>O = 1):** >1.0  
**Vapor Pressure (mm Hg):** N/A  
**Melting Point:** Various according to the wax blend ratios  
**Vapor Density (AIR = 1):** N/A  
**Solubility in Water:** Insoluble  
**Reactivity in Water:** N/A  
**Appearance and Odor:** Multiple colored waxy solid with a slight paraffinic odor.

### 4 - FIRE AND EXPLOSION HAZARD DATA

**Flash Point (Method Used):** N/A  
**Flammable Limits:** LEL: N/A UEL: N/A  
**Extinguishing Media:** N/A  
**Special Fire Fighting Procedures:** None  
**Unusual Fire and Explosion Hazards:** None

### 5 - REACTIVITY DATA

**Stability:** Stable  
**Conditions to Avoid:** None known  
**Incompatibility (Material to Avoid):** N/A  
**Hazardous Decomposition Products:** None known  
**Hazardous Polymerization:** Will not occur

### 6 - HEALTH HAZARD DATA

#### Routes of Entry:

**Skin:** Contact with molten wax will cause thermal burns.  
**Eyes:** Contact with molten wax will cause thermal burns.  
**Inhalation:** Avoid prolonged exposure to fumes produced when heated.  
**Ingestion:** This product is considered safe when used according to directions.  
**Carcinogenicity -** NTP: No  
**IARC Monographs:** No OSHA Regulated Carcinogen: No

### 7 - EMERGENCY FIRST AID PROCEDURES

**Skin:** Wash with soap and water.  
**Eyes:** Flush eyes with water for at least 15 minutes.  
**Inhalation:** This product is considered safe, when used according to directions.  
**Ingestion:** Ingestion of small amounts of this material under normal conditions would not cause serious harmful effects.

### 8 - PRECAUTIONS FOR SAFE HANDLING & USE

**Steps to be taken in case material is released or spilled:** Sweep or wipe up with paper towels and dispose of in a suitable container.  
**Waste Disposal Method:** Dispose along with normal solid waste.  
**Precautions to be taken in handling and storing:** Store at normal room temperature (65-75°F).  
**Other precautions:** Use according to directions.

### 9 - CONTROL MEASURES

**Respiratory Protection (Specify Type):** Not needed  
**VENTILATION:**  
**Local Exhaust:** Not needed  
**Mechanical (General):** Should be sufficient  
**Protective Gloves:** Gloves recommended when working with molten material.  
**Eye Protection:** Safety glasses  
**Work/Hygiene Practices:** Handle in accordance with good personal hygiene and safety practices. These practices include avoiding unnecessary exposure.

### 10 - SHIPPING INFORMATION

Not DOT regulated.

### 11 - SPECIAL INFORMATION

**HMIS (Hazardous Material Identification System) Rating:**  
H1 F0 R0  
[HMIS Index: 4 - Severe Hazard; 3 - Serious Hazard;  
2 - Moderate Hazard; 1 - Slight Hazard; 0 - Minimum Hazard]

Note: This MSDS was prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200) and is to be used only for this product. The information in this MSDS is, to the best of our knowledge, believed to be accurate.

## Section 1. Identification

**GHS product identifier** : Wax Products  
**Other means of identification** : Not available.  
**Product type** : Solid.

Relevant identified uses of the substance or mixture and uses advised against

**Product use** : Dental product: Wax  
**Area of application** : Professional applications.

**Manufacturer** : **Manufactured for Kerr Corporation**  
 1717 West Collins Avenue  
 Orange, CA 92867-5422  
 Telephone no.: 1-800-KERR-123

**e-mail address of person responsible for this SDS** : edwin.varela@kavokerrgroup.com

**Emergency telephone number (with hours of operation)** : CHEMTREC® (24 hours) U.S. : 1-800-424-9300 International: +1-703-527-3887

## Section 2. Hazards identification

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or mixture** : EYE IRRITATION - Category 2B

Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 10%

GHS label elements

**Signal word** : Warning  
**Hazard statements** : Causes eye irritation.

Precautionary statements

**Prevention** : Wear eye or face protection. Wash hands thoroughly after handling.  
**Response** : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

**Storage** : Not applicable.

**Disposal** : Not applicable.

**Hazards not otherwise classified** : None known.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture  
**Other means of identification** : Not available.

### CAS number/other identifiers

**CAS number** : Not applicable.  
**Product code** : Not available.

| Ingredient name                      | Other names                          | %      | CAS number |
|--------------------------------------|--------------------------------------|--------|------------|
| Paraffin waxes and Hydrocarbon waxes | Paraffin waxes and Hydrocarbon waxes | 60-100 | 8002-74-2  |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.**

## Section 4. First aid measures

### Description of necessary first aid measures

**Eye contact** : No special measures are required. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.

**Inhalation** : No special measures required. If inhaled, remove to fresh air. Get medical attention if symptoms occur.

**Skin contact** : No special measures required. In case of contact, immediately flush skin with plenty of water. Get medical attention if symptoms occur.

**Ingestion** : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Get medical attention if adverse health effects persist or are severe.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

**Eye contact** : Causes eye irritation.

**Inhalation** : No known significant effects or critical hazards.

**Skin contact** : No known significant effects or critical hazards.

**Ingestion** : May be irritating to mouth, throat and stomach.

#### Over-exposure signs/symptoms

**Eye contact** : Adverse symptoms may include the following:  
irritation  
watering  
redness

**Inhalation** : No specific data.

**Skin contact** : No specific data.

**Ingestion** : No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

**Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific treatments** : No specific treatment.

**Protection of first-aiders** : In case of major fire and large quantities: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

## Section 4. First aid measures

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

**Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media** : Do not use water jet.

**Specific hazards arising from the chemical** : No specific fire or explosion hazard.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide

**Special protective actions for fire-fighters** : In case of major fire and large quantities: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : Low release. For professional use only. Handling of product in very small amounts or in situations where release is highly unlikely

**For emergency responders** : Low release. See also the information in "For non-emergency personnel".

**Environmental precautions** : Low release. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

**Small spill** : Small Quantity. For professional use only. Absorb with an inert material and place in an appropriate waste disposal container.

**Large spill** : Small Quantity. For professional use only. Absorb with an inert material and place in an appropriate waste disposal container.

## Section 7. Handling and storage

### Precautions for safe handling

**Protective measures** : No special measures are required for small quantities under normal and intended conditions of product use. For professional use only. Put on appropriate personal protective equipment (see Section 8). Handle with care and dispose in a safe manner.

**Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

## Section 7. Handling and storage

**Conditions for safe storage, including any incompatibilities** : Store between the following temperatures: 18.33 to 23.89°C (65 to 75°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

| Ingredient name                      | Exposure limits                                                                                                                                                                                                                                                                |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Paraffin waxes and Hydrocarbon waxes | <b>ACGIH TLV (United States, 4/2014).</b><br>TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Fume<br><b>NIOSH REL (United States, 10/2013).</b><br>TWA: 2 mg/m <sup>3</sup> 10 hours. Form: Fume<br><b>OSHA PEL 1989 (United States, 3/1989).</b><br>TWA: 2 mg/m <sup>3</sup> 8 hours. |

**Appropriate engineering controls** : No special measures are required for small quantities under normal and intended conditions of product use.

**Environmental exposure controls** : No special measures are required for small quantities under normal and intended conditions of product use.

### Individual protection measures

**Hygiene measures** : No special measures are required for small quantities under normal and intended conditions of product use.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

### Skin protection

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body protection** : No special measures are required for small quantities under normal and intended conditions of product use.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : No special measures are required for small quantities under normal and intended conditions of product use.

## Section 9. Physical and chemical properties

### Appearance

|                                              |                                                                   |
|----------------------------------------------|-------------------------------------------------------------------|
| Physical state                               | : Solid. [Waxy solid.]                                            |
| Color                                        | : Various                                                         |
| Odor                                         | : Paraffinic [Slight]                                             |
| Odor threshold                               | : Not available.                                                  |
| pH                                           | : Not available.                                                  |
| Melting point                                | : Various                                                         |
| Boiling point                                | : Not available.                                                  |
| Flash point                                  | : Not available.                                                  |
| Evaporation rate                             | : Not available.                                                  |
| Flammability (solid, gas)                    | : Not available.                                                  |
| Lower and upper explosive (flammable) limits | : Not available.                                                  |
| Vapor pressure                               | : Not available.                                                  |
| Vapor density                                | : Not available.                                                  |
| Relative density                             | : >1                                                              |
| Solubility                                   | : Insoluble in the following materials: cold water and hot water. |
| Solubility in water                          | : Not available.                                                  |
| Partition coefficient: n-octanol/water       | : Not available.                                                  |
| Auto-ignition temperature                    | : Not available.                                                  |
| Decomposition temperature                    | : Not available.                                                  |
| SADT                                         | : Not available.                                                  |
| Viscosity                                    | : Not available.                                                  |

## Section 10. Stability and reactivity

|                                    |                                                                                                                                                                           |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                         | : No specific test data related to reactivity available for this product or its ingredients.                                                                              |
| Chemical stability                 | : The product is stable.                                                                                                                                                  |
| Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur.<br>Under normal conditions of storage and use, hazardous polymerization will not occur. |
| Conditions to avoid                | : No specific data.                                                                                                                                                       |
| Incompatible materials             | : No specific data.                                                                                                                                                       |
| Hazardous decomposition products   | : Under normal conditions of storage and use, hazardous decomposition products should not be produced.                                                                    |

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

| Product/ingredient name              | Result      | Species | Dose        | Exposure |
|--------------------------------------|-------------|---------|-------------|----------|
| Paraffin waxes and Hydrocarbon waxes | LD50 Dermal | Rabbit  | >2000 mg/kg | -        |
|                                      | LD50 Oral   | Rat     | >5000 mg/kg | -        |

#### Irritation/Corrosion

| Product/ingredient name              | Result               | Species | Score | Exposure                | Observation |
|--------------------------------------|----------------------|---------|-------|-------------------------|-------------|
| Paraffin waxes and Hydrocarbon waxes | Eyes - Mild irritant | Rabbit  | -     | 24 hours 100 milligrams | -           |
|                                      | Skin - Mild irritant | Rabbit  | -     | 24 hours 500 milligrams | -           |

#### Sensitization

Not available.

#### Mutagenicity

Not available.

#### Carcinogenicity

Not available.

#### Reproductive toxicity

Not available.

#### Teratogenicity

Not available.

#### Specific target organ toxicity (single exposure)

Not available.

#### Specific target organ toxicity (repeated exposure)

Not available.

#### Aspiration hazard

Not available.

**Information on the likely routes of exposure** : Routes of entry anticipated: Oral, Dermal, Inhalation.

#### Potential acute health effects

**Eye contact** : Causes eye irritation.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : May be irritating to mouth, throat and stomach.

#### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : Adverse symptoms may include the following:  
 irritation  
 watering  
 redness  
**Inhalation** : No specific data.  
**Skin contact** : No specific data.  
**Ingestion** : No specific data.

## Section 11. Toxicological information

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Potential chronic health effects

Not available.

**General** : No known significant effects or critical hazards.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Not available.

## Section 12. Ecological information

### Toxicity

Not available.

### Persistence and degradability

Not available.

### Bioaccumulative potential

Not available.

### Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

## Section 14. Transport information

|                            | DOT Classification | IMDG           | IATA           |
|----------------------------|--------------------|----------------|----------------|
| UN number                  | Not regulated.     | Not regulated. | Not regulated. |
| UN proper shipping name    | -                  | -              | -              |
| Transport hazard class(es) | -                  | -              | -              |
| Packing group              | -                  | -              | -              |
| Environmental hazards      | No.                | No.            | No.            |
| Additional information     | -                  | -              | -              |

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not available.

## Section 15. Regulatory information

**U.S. Federal regulations** : **United States inventory (TSCA 8b):** All components are listed or exempted.

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Not listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

### SARA 302/304

#### Composition/information on ingredients

No products were found.

**SARA 304 RQ** : Not applicable.

### SARA 311/312

**Classification** : Immediate (acute) health hazard

## Section 15. Regulatory information

### Composition/information on ingredients

| Name                                 | %      | Fire hazard | Sudden release of pressure | Reactive | Immediate (acute) health hazard | Delayed (chronic) health hazard |
|--------------------------------------|--------|-------------|----------------------------|----------|---------------------------------|---------------------------------|
| Paraffin waxes and Hydrocarbon waxes | 60-100 | No.         | No.                        | No.      | Yes.                            | No.                             |

### SARA 313

Not applicable.

### State regulations

- Massachusetts** : The following components are listed: PARAFFIN WAX FUME
- New York** : None of the components are listed.
- New Jersey** : The following components are listed: PARAFFIN WAX; PARAFFIN WAXES and HYDROCARBON WAXES
- Pennsylvania** : The following components are listed: PARAFFIN WAXES AND HYDROCARBON WAXES

### California Prop. 65

None of the components are listed.

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

|                  |   |   |
|------------------|---|---|
| Health           | * | 1 |
| Flammability     |   | 0 |
| Physical hazards |   | 0 |
|                  |   |   |

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

### National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

### History

**Date of issue/Date of revision** : 01/21/2015

**Date of issue/Date of revision** : 01/21/2015 **Date of previous issue** : No previous validation **Version** : 1 9/10

## Section 16. Other information

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Date of previous issue</b> | : No previous validation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Version</b>                | : 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Prepared by</b>            | : IHS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Key to abbreviations</b>   | : ATE = Acute Toxicity Estimate<br>BCF = Bioconcentration Factor<br>GHS = Globally Harmonized System of Classification and Labelling of Chemicals<br>IATA = International Air Transport Association<br>IBC = Intermediate Bulk Container<br>IMDG = International Maritime Dangerous Goods<br>LogPow = logarithm of the octanol/water partition coefficient<br>MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)<br>UN = United Nations |
| <b>References</b>             | : HCS (U.S.A.)- Hazard Communication Standard<br>International transport regulations                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

Indicates information that has changed from previously issued version.

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.