# SAFETY DATA SHEETS

## This SDS packet was issued with item:

075174917

**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).**

074574240 074575221 075170329 075170352 075170386 075171368 075171855 075172341 075172838 075173323
075173356 075173380 075173877 075173901 075173935 075175401 075177506 075178835 075179320 075179726
075179817 075181284 075182845 075182878 075182902 075182936 075182969 075183454 075183488 075183512

MSDS NO. M002

# MATERIAL SAFETY DATA SHEET

## I - PRODUCT IDENTIFICATION

**COMPANY NAME:** **Heraeus Kulzer, LLC**

**ADDRESS:** **300 Heraeus Way**
**South Bend, IN 46614**

**Tel No: (800) 431-1785**
**Nights: Chemtrec 800-424-9300**

**PRODUCT NAME:** Modern Materials – Modern Pink, Shur Wax X-Hard, Shur Wax, Utility Wax, Boxing Wax Yellow Bite Wax, Periphery, CoprWax, Yellow Check Bite Wafers, Bite Block Hard, Bite Block Soft, Red Baseplate, Orthodontic Tray Wax, Prepon, Thin-Ex, Lab Wax
**PRODUCT NO(S):** 50093112, 50093152, 50093252, 50093212, 50093312, 50093513, 50093553, 50093352, 50095492, 50095892, 50095592, 50095992, 50093712, 50094193, 50094293, 50094191, 50094291, 50094493, 50094593, 50094491, 50094591, 50094693, 50094793, 50095094, 50095194, 50093614, 50093654, 50092178, 50092189, 50094850

**Synonyms:** Paraffin Wax & Natural Occurring Wax

## II - HAZARDOUS INGREDIENTS OF MIXTURES

| MATERIAL: | CAS# | HAZARD | TLV | PEL |
|---|---|---|---|---|
| None | | | | |

## III - PHYSICAL DATA (ND = Not Determined)

**Vapor Pressure, mm Hg:** None
**Evaporation Rate (ether=1):** None
**Solubility in $H_2O$:** None
**Boiling Point: NA**
**Specific Gravity ($H_2O$=1):** 0.90

**Vapor Density (Air =1):** None
**% Volatile by volume:** None
**pH:** 7.4 (10% Solution)
**Appearance:** Wax of various colors and shapes
**Odor:** Odorless or slight spearmint flavor

## IV - FIRE AND EXPLOSION

**Flash Point**: 400°F Min. COC

**Flammable Limits:** Not available

**Extinguishing Media:** Foam, dry chemical, water, $CO_2$ , sand.

**Special Fire Fighting Procedures:** Do not use water. Self contained breathing apparatus to protect against smoke inhalation.

**Unusual Fire and Explosion Hazards:** None.

## V - REACTIVITY DATA

**Stability:** Unstable [ ]
Stable [X]

Conditions to avoid: Contact with strong acids.

**Incompatibility** (Materials to Avoid): None

**Hazardous Polymerization:** May Occur [ ]
Will Not Occur [X]

Conditions to avoid: None

**MODERN MATERIALS WAX PRODUCTS**

## VI. HEALTH HAZARDS

**OSHA Permissible Exposure Limit:** None
**ACGIH Threshold Exposure Limit:** 2 mg/m$^3$ for paraffin wax fumes
**Other Exposure Limit Used:** None
**A. Acute Overexposure**: None
**B. Chronic, Other:** None
**Medical conditions generally aggravated by exposure:** None
**Hygienic Practices:** None
**Primary Route(s) of Exposure:** Skin contact.
**Chemical Listed As Carcinogen or potential carcinogen:** Not listed

## VII - EMERGENCY AND FIRST AID PROCEDURES

**Skin:** If molten wax contacts skin treat as minor burn.
**Ingestion:** Consult a physician.

## VIII - SPILL OR LEAK PROCEDURES

**Spill Management:** NA

**Waste Disposal Methods:** This material can be disposed of as normal solid waste.

## IX - PROTECTION INFORMATION/CONTROL MEASURES

**Respiratory:** None required
**Eye Protection:** None required
**Gloves:** None required

**Other Clothing and Equipment:** None

**Ventilation:** None

## X - SPECIAL PRECAUTIONS

**Precautions to be taken in Handling and Storing:** Store in cool temperature

CoprWax contains copper which is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40CFR 372.

## XI - ADDITIONAL INFORMATION

When heating wax, paraffin wax fumes may be present. TWA 2 mg/m$^3$

Date: August 31, 2009
Supersedes MSDS Dated: February 8, 2007

KULZER
MITSUI CHEMICALS GROUP

# SAFETY DATA SHEET

## SECTION 1 : IDENTIFICATION

Product identifier used on the label:

Product Name: **Modern Pink, Shur Wax X-Hard, Shur Wax, Utility Wax, Boxing Wax Yellow Bite Wax, Periphery,Yellow Check Bite Wafers, Bite Block Hard, Bite Block Soft, Red Baseplate, Orthodontic Tray Wax, Thin-Ex, Lab Wax, Surgident® CoprWax™**

Product Code: 50093112, 50093152, 50093252, 50093212, 50093312, 50093513, 50093553, 50093352, 50095492, 50095892, 50095592, 50095992, 50093712, 50094193, 50094293, 50094191, 50094291, 50094493, 50094593, 50094491, 50094591, 50094693, 50094793, 50095094, 50095194, 50093614, 50093654, 50092178, 50092189, 50094850

SDS Manufacturer Number: M002

Other means of identification:

Synonyms: Paraffin Wax & Natural Occurring Wax

Recommended use of the chemical and restrictions on use:

Product Use/Restriction: Dental Wax

Chemical manufacturer address and telephone number:

Manufacturer Name: Kulzer, LLC (Mitsui Chemicals Group)

Address: 4315 South Lafayette Blvd.
South Bend, Indiana 46614-2517
USA

General Phone Number: 800-431-1785

Emergency phone number:

Emergency Phone Number: Chemtrec @ 1-800-424-9300

## SECTION 2 : HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with CFR 1910.1200(d)(f):

Signal Word: Not applicable.

GHS Class: Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Hazard Statements: None.

Precautionary Statements: None.

Hazards not otherwise classified that have been identified during the classification process:

Route of Exposure: Eyes. Skin. Inhalation. Ingestion.

Potential Health Effects:

- Eye: May cause irritation.
- Skin: May cause irritation.
- Inhalation: Prolonged or excessive inhalation may cause respiratory tract irritation.
- Ingestion: This route of entry is unlikely. If ingested, substance is considered non-toxic.

Target Organs: None generally recognized.

## SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

| Chemical Name | CAS# | Ingredient Percent | EC Num. |
|---|---|---|---|
| Beeswax | 8012-89-3 | 10 - 20 by weight | |
| Hydrocarbon and parrafin waxes | 8002-74-2 | 25 - 30 by weight | |
| Hydrocarbonwaxes, microcryst | 63231-60-7 | 25 - 30 by weight | |
| Gum Damar | 9000-16-2 | 1 - 5 by weight | |
| Carnauba wax | 8015-86-9 | 5 - 10 by weight | |

| | | |
|---|---|---|
| Ceresine wax | 8001-75-0 | 10 - 20 by weight |

Notes : The remaining components of this product are non-hazardous or are in a small enough quantity as to not meet regulatory thresholds for disclosure.

## SECTION 4 : FIRST AID MEASURES

Description of necessary measures:

Eye Contact: If symptoms develop Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin Contact: If symptoms develop Wash skin with soap and plenty of water.
Get medical attention if irritation develops or persists.

Inhalation: If symptoms persist, call a physician.

Ingestion: Accidental ingestion of this material is unlikely. If this does occur, watch person for several days to make sure intestinal blockage does not occur.

## SECTION 5 : FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

Suitable Extinguishing Media: Use dry chemical or foam when fighting fires involving this material. Water mist may be used to cool closed containers.

Special protective equipment and precautions for fire-fighters:

Protective Equipment: As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.

Fire Fighting Instructions: Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water.

**NFPA Ratings:**

NFPA Health: 1
NFPA Flammability: 1
NFPA Reactivity: 0


## SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personal Precautions: For large spills Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.

Environmental precautions:

Environmental Precautions: For large spills Avoid runoff into storm sewers, ditches, and waterways.

Methods and materials for containment and cleaning up:

Methods for containment: For large spills Contain spills with an inert absorbent material such as soil, sand or oil dry.

Methods for cleanup: For large spills Place into a suitable container for disposal.

## SECTION 7 : HANDLING and STORAGE

Precautions for safe handling:

Handling: Use with adequate ventilation. Avoid breathing vapor, aerosol or mist.

Hygiene Practices: Wash thoroughly after handling. Avoid contact with eyes.

Special Handling Procedures: Do not re-use empty containers.

Conditions for safe storage, including any incompatibilities:

Storage: Store in a cool, dry, well ventilated area away from sources of heat and incompatible materials. Keep container tightly closed when not in use.

## SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

**Hydrocarbon and parrafin waxes :**
Guideline ACGIH: TLV-TWA: 2 mg/m3
**Hydrocarbonwaxes, microcryst :**

| | |
|---|---|
| Guideline ACGIH: | TLV-TWA: 2 mg/m3 |

Appropriate engineering controls:

| | |
|---|---|
| Engineering Controls: | No special protective equipment required under normal conditions of use. Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment. |

Individual protection measures:

| | |
|---|---|
| Eye/Face Protection: | No special protective equipment required under normal conditions of use. If splashes are likely to occur, wear: Chemical splash goggles. |
| Skin Protection Description: | No special protective equipment required under normal conditions of use. |
| Respiratory Protection: | No special protective equipment required under normal conditions of use. No personal respiratory protective equipment is normally required. The need for respiratory protection will vary according to the airborne concentrations and environmental conditions (such as in manufacturing). |
| PPE Pictograms: |  |

## SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES:

| | |
|---|---|
| Physical State: | Wax |
| Color: | Transparent colored wax |
| Odor: | Odorless. |
| Odor Threshold: | Not applicable. |
| Boiling Point: | Not applicable. |
| Melting Point: | Not applicable. |
| Specific Gravity: | 0.90 (Ref: water = 1). |
| Solubility: | Very soluble. |
| Vapor Density: | Not determined. |
| Vapor Pressure: | Not determined. |
| Percent Volatile: | Not determined. |
| Evaporation Rate: | Not determined. |
| pH: | 7 - 8 |
| Viscosity: | Not determined. |
| Coefficient of Water/Oil Distribution: | Not determined. |
| Flammability: | Not determined. |
| Flash Point: | 210 °F (99°C) |
| Flash Point Method: | Tag Closed Cup (T.C.C). |
| Lower Flammable/Explosive Limit: | Not determined. |
| Upper Flammable/Explosive Limit: | Not determined. |
| Auto Ignition Temperature: | Not determined. |
| Oxidizing Properties: | Not determined. |
| VOC Content: | Not applicable. |

## SECTION 10 : STABILITY and REACTIVITY

Chemical Stability:

| | |
|---|---|
| Chemical Stability: | Stable under recommended handling and storage conditions. |

Possibility of hazardous reactions:

| | |
|---|---|
| Hazardous Polymerization: | Will not occur. |

Conditions To Avoid:

| | |
|---|---|
| Conditions to Avoid: | Avoid contact with incompatible materials. |

Incompatible Materials:

| | |
|---|---|
| Incompatible Materials: | Strong acids. |

## SECTION 11 : TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

**Hydrocarbon and parrafin waxes :**

| | |
|---|---|
| Eye: | Administration into the eye - Rabbit Standard Draize test: 100 mg/24H [Mild]<br>Administration into the eye - Rabbit Standard Draize test: 50 % [Mild] (RTECS) |
| Skin: | Administration onto the skin - Rabbit LD50 - Lethal dose, 50 percent kill: >4000 mg/kg [Details of toxic effects not reported other than lethal dose value] (RTECS) |

## SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity:

| | |
|---|---|
| Ecotoxicity: | No environmental information found for this product. |
| Environmental Fate: | No environmental information found for this product. |

## SECTION 13 : DISPOSAL CONSIDERATIONS

Description of waste:

| | |
|---|---|
| Waste Disposal: | Dispose of in accordance with Local, State, Federal and Provincial regulations. |

## SECTION 14 : TRANSPORT INFORMATION

| | |
|---|---|
| DOT Shipping Name: | Not regulated as hazardous material for transportation. |
| DOT UN Number: | Not regulated as hazardous material for transportation. |
| Notes : | The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment. |

## SECTION 15 : REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product:

| | |
|---|---|
| TSCA Inventory Status: | All the constituents of this product are TSCA listed or exempt from listing. |
| SARA: | This product does not contain any chemicals which are subject to the reporting requirements of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III (40CFR, Part 372). |
| California PROP 65: | The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):<br>This product does not contain any Proposition 65 chemicals. |

**Beeswax :**

| | |
|---|---|
| TSCA Inventory Status: | Listed |
| Canada DSL: | Listed |

**Hydrocarbon and parrafin waxes :**

| | |
|---|---|
| TSCA Inventory Status: | Listed |
| Canada DSL: | Listed |

**Hydrocarbonwaxes, microcryst :**

| | |
|---|---|
| TSCA Inventory Status: | Listed |
| Canada DSL: | Listed |

**Gum Damar :**

| | |
|---|---|
| TSCA Inventory Status: | Listed |
| Canada DSL: | Listed |

**Carnauba wax :**

| | |
|---|---|
| TSCA Inventory Status: | Listed |
| Canada DSL: | Listed |

**Ceresine wax :**

| | |
|---|---|
| TSCA Inventory Status: | Listed |
| Canada DSL: | Listed |

## SECTION 16 : ADDITIONAL INFORMATION

HMIS Ratings:

| | |
|---|---|
| HMIS Health Hazard: | 1 |
| HMIS Fire Hazard: | 1 |
| HMIS Reactivity: | 0 |

| | |
|---|---|
| Health Hazard | 1 |
| Fire Hazard | 1 |
| Reactivity | 0 |

| | | | |
|---|---|---|---|
| HMIS Personal Protection: | X | **Personal Protection** | **X** |

| | |
|---|---|
| Other Information: | 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). The customer is responsible for determining the appropriate PPE to be used for the task.<br>The National Fire Protection Association (NFPA) rating system is based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. NFPA hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. NFPA hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. The NFPA 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. |
| SDS Creation Date: | May 05, 2015 |
| SDS Revision Date: | April 10, 2017 |
| SDS Revision Notes: | Supercedes MSDS 5/06/2015 |