

SAFETY DATA SHEETS

This SDS packet was issued with item:

075348727

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 075349667

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).

073430113 075348750 075348784 075348818 075348842 075348875 075348909 075348933 075348966 075348990
075349022 075350582 075350590 075350608 075350616 075350624 075350632 075350640

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 TWA/STEL	Limits ACGIH TWA/STEL	Carcinogen IARC/NTP/OSHA	%
Microcrystalline Wax	63231607			2 ppm (mg/m ³)	2 ppm (mg/m ³)	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 COC, ASTM D-92	LEL: N/A UEL: N/A	Not Determined

Method:

Extinguishing Media: Use water fog, alcohol-type foam, dry chemical, or CO₂. 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 ₂ O = 1): 0.934	N/A	N/A

Boiling Point/ Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient Log Po/w	Vapor Pressure:	Vapor Density	Evaporation Rate	Ignition	Solubility In Water (20°C)
660 - 730°F/ 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 COC, ASTM D-92	LEL – N/A UEL – N/A	Not determined

Section 10 – Stability and Reactivity
Stability:

Stable

Incompatibility (Materials to Avoid):

Strong oxidizing materials

Hazardous Decomposition Products: Carbon dioxide (Carbon monoxide with incomplete combustion)	Hazardous Polymerization: Will not occur
Conditions to Avoid: 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"> • NONE
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"> • None
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"> • None
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"> • None
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.

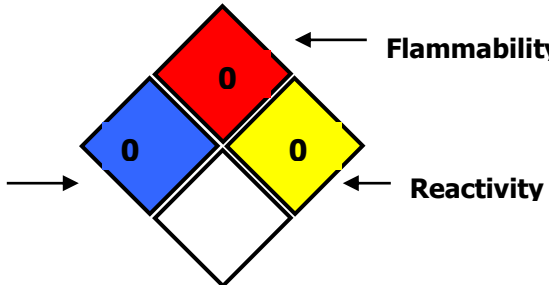
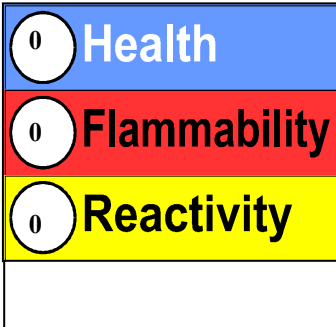
International Regulations

CDSL: Canadian Inventory (on Canadian Transitional List)	All components are listed, where applicable. Not Controlled by WHMIS
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Labeling according to EC directives – 1272/2008 {CLP} AND 1999/45/EC (items in parenthesis relate to 1999/45/EC)

European Community:	For Wire Wax “Kewax” (finished product): <ul style="list-style-type: none"> • DANGER SYMBOLS: N/A – non hazardous • HAZARD STATEMENT: N/A • PRECAUTIONARY STATEMENT: N/A
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Section 16 – Other Information
Hazard Rating System (Pictograms)

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

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Keystone Industries components are provided on an as is basis without warranties of any kind either expressed or implied. Keystone Industries does not warrant the use or the results of use of the materials sold on an as is basis since they are intended for remanufacturing or repackaging. It is the sole responsibility of the user to examine and determine appropriate application and regulatory requirements associated with said Keystone Industries components.

Section 1 Chemical Product and Company Identification**1.1 Product identifiers**

Product name: Casting Wax

Product Code: 1880270, 1880280, 1880290, 1880300, 1880310, 1880320,
1880330, 1880340, 1880350, 1880360, 1880370, 1880380

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

Identified uses: N/A

1.3 Details of the supplier of the safety data sheet

Keystone Industries
616 Hollywood Av
Cherry Hill, NJ 08002
(856) 663 - 4700

1.4 Emergency telephone number

US & Canada: (800) 535 - 5053

Section 2 Hazards Identification**2.1 Classification of the substance or mixture**

Not a hazardous substance or mixture.

2.2 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None.

Section 3 Composition/Information on Ingredients**3.1 Substance**

Proprietary mixture of waxes.

No ingredients are hazardous according to OSHA criteria.

No components need to be disclosed according to the applicable regulations.

Section 4 First Aid Measures**4.1 Description of first aid measures****If inhaled**

Move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

Section 5 Fire Fighting Measures**5.1 Extinguishing media**

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Nature of decomposition products not known.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further Information

No data available.

Section 6 Accidental Release Measures**6.1 Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Avoid breathing vapors, mist or gas. For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7 Handling and Storage**7.1 Precautions for safe handling**

Use normal precautions when handling hot molten liquid solutions. Do not breathe fumes or vapor from heated material. Do not allow hot material to contact skin. Provide appropriate exhaust ventilation at places where dust is formed. Try to avoid creating dust.

7.2 Conditions for safe storage, including any incompatibilities

Store at ambient temperatures in closed containers. This material can catch fire if overheated.

Do not heat this material above the flash point. Keep away from flame and open electrical coils. No chemical incompatibilities.

Section 8 Exposure Controls/Personal Protection**8.1 Control parameters****Components with workplace control parameters**

Wax Fume ACGIH STEL: 2 mg/m³ NIOSH TWA: 2 mg/m³

8.2 Exposure controls

Appropriate engineering controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits (see below). An eye wash station and safety shower should be located near the workstation.

8.3 Personal protective equipment
Eye/face protection

Use a full-face shield and safety glasses if handling heated material. With product at ambient temperatures, use safety glasses equipped with side shields.

8.4 Skin protection
Hand Protection

When handling product at elevated temperatures, use heat-resistant gloves. With product at ambient temperatures, use disposable nitrile, neoprene or butyl rubber gloves with repeated or prolonged use.

Body Protection

Prevent skin contact when handling heated material. Use insulated, heat resistant clothing such as apron or slicker suit.

8.5 Respiratory Protection

The need for respiratory protection is not anticipated under normal use conditions and with adequate ventilation. If elevated airborne concentrations above applicable workplace exposure levels are anticipated, a NIOSH-approved organic vapor respirator equipped with a dust/mist pre-filter should be used.

8.6 Safety Stations

Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

8.7 General Hygienic Practices

Avoid breathing dust, vapor or mist. Avoid contamination of food, beverages, or smoking materials. Wash thoroughly after handling, and before eating, drinking or smoking. Remove contaminated clothing promptly and clean thoroughly before reuse.

Section 9 Physical and Chemical Properties
9.1 Information on basic physical and chemical properties

Appearance	Solid; color varies (Pink, Green, etc)
Odor	Mild
Odor Threshold	No data available
pH	No data available
Melting Point	No data available
Ring and Ball Softening Point	170°F
VOC Content	0
Initial boiling point & boiling range	No data available
Flash Point (COC)	465°F (240°C)
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability	No data available
Vapor Pressure	No data available
Vapor density	No data available

Relative density (g/cc)	0.9 ±0.05
Water Solubility	Insoluble
Coefficient: n-octanol/ water	No data available
Auto-ignition temperature	No data available
Viscosity	No data available
Explosive Properties	None
Oxidizing Properties	None
% Volatile	0

Section 10 Stability and Reactivity**10.1 Reactivity**

None.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

None.

10.4 Conditions to avoid

Heat and open flames.

10.5 Incompatible materials

None.

10.6 Hazardous decomposition products

Thermal oxidative decomposition can produce CO and CO₂.

Section 11 Toxicological Information**11.1 Information on toxicological effects**

Acute toxicity	No data available	Inhalation	No data available
Dermal			No data available
Skin corrosion/irritation			No data available
Serious eye damage/eye irritation			No data available
Respiratory or skin sensitization			No data available
Germ cell mutagenicity			No data available

Carcinogenicity

IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.

Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available

Section 12 Ecological Information

12.1 Toxicity	No data available
12.2 Persistence and degradability	No data available
12.3 Bioaccumulative potential	No data available
12.4 Mobility in soil	No data available
12.5 Results of PBT & vPvB assessment	No data available

Section 13 Disposal Considerations**13.1 Disposal**

Use safety containers for disposal. Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

Section 14 Transport Information**14.1 Shipping Name:**

DOT:	Not regulated
TDG:	Not regulated
IMDG:	Not regulated
IATA:	Not regulated

Section 15 Regulatory Information**15.1 US Federal Regulations**

RCRA Hazardous Waste Number (40 CFR 261.33): Not listed
RCRA Hazardous Waste Classification (40 CFR 261): Not classified
CERCLA Hazardous Substance (40 CFR 302.4): Listed/unlisted specific per RCRA Sec. 3001
SARA 311/312 Codes: No hazard categories identified
SARA Toxic Chemical (40 CFR 372.65): No components were identified
TSCA Inventory Status: All ingredients listed on TSCA inventory requirements

15.2 State Regulations

This product is not known to contain any components for which the State of California has found to cause cancer, birth defects or other reproductive harm.

Section 16 Other Information
Hazard Rating System (Pictograms)

<p>NFPA: HMIS:</p>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; background-color: #0000FF; color: white;">0</td> <td style="background-color: #0000FF; color: white;">Health</td> </tr> <tr> <td style="text-align: center; background-color: #FF0000; color: white;">1</td> <td style="background-color: #FF0000; color: white;">Flammability</td> </tr> <tr> <td style="text-align: center; background-color: #FFFF00; color: black;">0</td> <td style="background-color: #FFFF00; color: black;">Reactivity</td> </tr> <tr> <td style="background-color: #FFFFFF; color: black;"> </td> <td style="background-color: #FFFFFF; color: black;"> </td> </tr> </table>	0	Health	1	Flammability	0	Reactivity		
0	Health									
1	Flammability									
0	Reactivity									

Initial Release	February 2006; Revised December 2007
Revised June 29, 2015	Reformatted and filled in information in all sections so to make GHS compliant

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