## **SAFETY DATA SHEETS**

## This SDS packet was issued with item:

075348875

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 075348727 075348750 075348784 075348818 075348842 075348909 075348933 075348966 075348990 075349022 075350582 075350590 075350608 075350616 075350624 075350632 075350640



## Material Safety Data Sheet WIRE WAX "KEWAX"

Page 1 of 4

## Section 1 – Identification

Product Name: WIRE WAX "KEWAX" Manufacturer: Keystone Industries

52 W King St

Myerstown PA 17067

Chemical Name / Wax Information Contacts: (856) 333-3131 Synonyms:

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

Family: Dental waxes EU Address: KEYSTONE EUROPE LLC.

Product Use: Dental Modeling Batavenweg 7

 Product #: 1880500, 1880510, 1880520, 1880530,
 5349BC OSS, Netherlands

 1880540, 1880550, 1880560, 1880570, 1880580, 1880590,
 Emergency EU Phone Numbers:

 1880600, 1880620, 1880630, 1880640, 1880650, 1880660,
 International: 1-352-323-3500

1880670

## 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 <sup>3</sup> )	2 ppm (mg/m <sup>3</sup> )	N/E	100%
N/E – None Established N/R – Not Reviewed	N/DA – No Data Avai N/A – Not Applicable		<u> </u>	<u> </u>	<u> </u>	<u> </u>	

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.

Date of Issue: 01/09/2015



## Material Safety Data Sheet V

#### WIRE WAX "KEWAX"

Section 5 – Fire Fighting Measures

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

**Method:** 

Extinguishing Media: Use water fog, alcohol-type foam, dry chemical, or CO2. Do not use direct stream of water.

Fire Fighting Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece Instructions: 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 No special engineering controlled required. Local ventilation is adequate.

Controls

**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 Wear safety glasses with side shields. Wear face shield during thermal process.

Protection

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

Appeara	nce	Odor & Odor Threshold	PН	Spec	ific Gravity	Viscosity	% V	olatile
Waxy so	olid	Little or no odor	N/A	(H2C	0 = 1): 0.934	N/A	N	I/A
Boiling Point/	Decompositi	ion Octanol/Water	Var	or	Vapor	Evaporation	Ignition	Solubility
Freezing Point	Temperatu	re Partitioning Coeffici	ient Press	ure:	Density	Rate		In Water
	_	Log Po/w						(20°C)
660 - 730°F/	N/E	N/DA	N/	A	N/A	N/A	N/E	Insoluble
N/A								

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

## Section 10 – Stability and Reactivity

Stability: Incompatibility (Materials to Avoid):

Stable Strong oxidizing materials

Date of Issue: 01/09/2015

Page 2 of 4



## **Material Safety Data Sheet**

#### **WIRE WAX "KEWAX"**

Hazardous Decomposition Products: Hazardous Polymerization:

Carbon dioxide (Carbon monoxide with

Will not occur

incomplete combustion)

Conditions to Avoid: Storage at temperatures exceeding 45°C.

## Section 11 – Toxicological Information

<b>Acute Oral Toxicity</b>	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	Acute Toxicity to Invertebrates	Acute Toxicity to Algae	Bioconcentration	Toxicity to
Fish				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:			
	NONE			
Clean Water Act: Priority	This product contains the following chemicals listed under the U. S. Clean Water Act			
Pollutant	Priority Pollutant and Hazardous Substance List:			
	• 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	This product is considered to be hazardous under the OSHA Hazard Communication			
Act	Standard. It's hazards are:			
	• 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).			

Date of Issue: 01/09/2015

Page 3 of 4



## Material Safety Data Sheet WIRE WAX "KEWAX"

Page 4 of 4

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:  • 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**

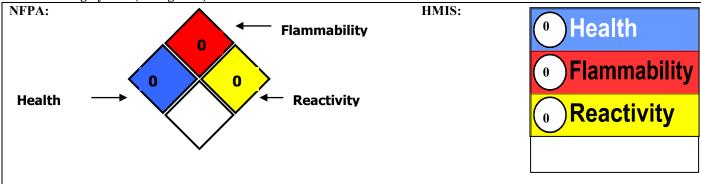
CDSL: Canadian Inventory	All components are listed, where applicable.
(on Canadian Transitional List)	Not Controlled by WHMIS

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

European Community:	For Wire Wax "Kewax" (finished product):	-
	<ul> <li>DANGER SYMBOLS: N/A – non hazardous</li> </ul>	
	HAZARD STATEMENT: N/A	
	<ul> <li>PRECAUTIONARY STATEMENT: N/A</li> </ul>	

#### Section 16 – Other Information

Hazard Rating System (Pictograms)



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.

Date of Issue: 01/09/2015



# **CASTING WAX**

## 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



# **CASTING WAX**

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**



# **CASTING WAX**

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

pg. 3 of 6

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 ThresholdNo data availablepHNo data availableMelting PointNo 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



# **CASTING WAX**

**Relative density (g/cc)**  $0.9 \pm 0.05$  **Water Solubility** Insoluble

Coefficient: n-octanol/ waterNo data availableAuto-ignition temperatureNo data availableViscosityNo 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 CO<sub>2</sub>.

## Section 11 Toxicological Information

#### 11.1 Information on toxicological effects

Acute toxicityNo data available InhalationNo data availableDermalNo data availableSkin corrosion/irritationNo data availableSerious eye damage/eye irritationNo data availableRespiratory or skin sensitizationNo data availableGerm cell mutagenicityNo 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.



# **CASTING WAX**

**Reproductive toxicity**No data available

Specific target organ toxicity

- single exposure No data available

Specific target organ toxicity

repeated exposureAspiration hazardNo 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 regulatedTDG: Not regulatedIMDG: Not regulatedIATA: 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

pg. 5 of 6

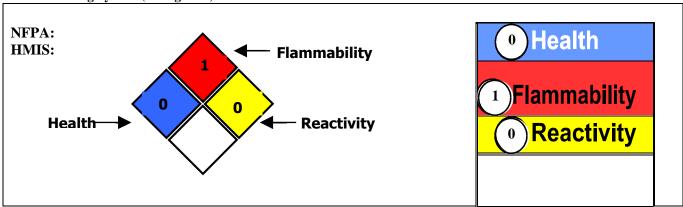
This product is not known to contain any components for which the State of California has found to cause cancer, birth defects or other reproductive harm.

Revised Date: 06/29/2015 | Replaces Date: 12/01/2007

# **CASTING WAX**

## Section 16 Other Information

Hazard Rating System (Pictograms)



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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