

Material Safety Data Sheet

WIRE WAX "KEWAX"

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Section 1 – Identification of the Substance/Preparation and of the Company/Undertaking

Product Name: WIRE WAX "KEWAX"

MSDS Initial Approval Date: July 2002

Chemical Name:

MSDS Prepared by: JRR

Family: Dental waxes

Manufacturer: Keystone Industries

616 Hollywood Av

Cherry Hill, NJ 08002

Product Use: Dental modeling

Emergency Phone Numbers: (800) 535 - 5053

Product #: -- 2038900, 2038920, 2038940, 2038960, 2038980, 2038990, 2039000, 2039020, 2039040, 2039060, 2039080, 2039100, 2038800, 2038820, 2038840, 2038860, 2038880

Information Contacts: (856) 333 - 3131

Section 2 - Composition/Information on Ingredients

Chemical Identity	CAS Numbers	EINECS#	INCI Name	Exposure OSHA TWA/STEL	Limits ACGIH TWA/STEL	Carcinogen IARC/NTP/OSHA	%
Microcrystalline Wax	63231607	N/E	N/E	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.

Section 3 - Hazards Identification

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	Contact with molten wax may cause severe thermal burns.
Ingestion	Low order of acute systematic toxicity.
Inhalation	Product dust may cause respiratory tract irritation. Molten wax may cause irritation to the respiratory tract.
Sub-Chronic Effects	

NOTE: Refer to Section 11, Toxicological Information for Details

Section 4 - First Aid Measures

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 Inhalation	When fume or mist occurs remove to fresh air. If person is not breathing provide oxygen or artificial respiration. Seek medical attention.
First Aid for Ingestion	Small quantities – permit to pass through system. Large quantities – 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:

Combustion Materials:	Carbon Dioxide, Carbon Monoxide
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	Sweep up material and place in appropriate disposal container. If molten wax – contain spill as much as possible and let molten wax cool. Once solid, place material in appropriate disposal container.
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Section 7 - Handling and Storage

Handling Follow all MSDS/label precautions even after container is emptied because they may retain product residues

Section 8 - Exposure Controls / Personal Protective Equipment

Engineering Controls Provide exhaust ventilation sufficient to keep the airborne concentration of this product below its exposure limits. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination. Do not let molten product stand unused in melt tanks and injection machines. Stir molten product at all times.

Personal Protective Equipment

General Use good personal hygiene when handling this product. Wash hands after use, before smoking, or after using the restroom facilities.

Eye/ Face Protection Safety glasses with side shields (or goggles) and a face shield.

Skin Protection Ambient wax – cotton gloves. Molten wax – impervious heat protective gloves.

Respiratory Protection Normally not required. For mist and fumes use approved NIOSH/MSHA organic respirator.

Section 9 - Physical and Chemical Properties

Appearance	Odor & Odor Threshold	pH	Specific Gravity (H ₂ O = 1)	Viscosity	% Volatile
Waxy solid	Little or no odor	N/A	~.934	N/A	N/A

Boiling Point/ Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient Log Po/w	Vapor Pressure (mm Hg):	Vapor Density (AIR = 1)	Evaporation Rate (Butyl Acetate = 1)	Ignition	Solubility In Water
660 - 730°F/ N/A	N/E		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 Hazardous Decomposition Products: Carbon dioxide (Carbon monoxide with incomplete combustion) Conditions to Avoid:	Incompatibility (Materials to Avoid): Strong oxidizing materials Hazardous Polymerization: Will not occur
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Section 11 - Toxicological Information

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation - skin	Irritation - Eye
Not determined	Not determined	Not determined	Not determined	Not determined

Sensitization	Mutagenicity	Sub-chronic Toxicity
Not determined	Not determined	Not Determined

RTECS#:

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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

Environmental Fate Information

Section 13 - Disposal Considerations

Any disposal practice must be in compliance with federal, state and local regulations. Do not dump into sewers, ground or any body of water.

Section 14 - Transport Information

DOT (49 CFR 172)	
Proper Shipping Name:	Non-Regulated Material
Identification Number:	N/A
Marine Pollutant:	No
Special Provisions:	N/A
Emergency Response Guidebook (ERG) #:	N/A
IATA (DGR):	
Proper Shipping Name:	Non-Regulated Material
Class or Division:	N/A
UN or ID Number:	N/A
Packaging Instructions:	
Emergency Response Guidance (ICAO)#:	
IMO (IMDG):	
Proper Shipping Name:	Non-Regulated Material
Class or Division:	N/A
UN or ID Number:	N/A
Special Provisions & Stowage/Segregation:	None
Emergency Schedule (EmS)#:	
Other Information:	

Section 15 - Regulatory Information

US Federal Regulations

Clean Air Act: HAP/ODS	This product contains the following hazardous air pollutants (HAP's) or ozone depleting substances (ODS's), as defined by the U. S. Clean Air Act: • NONE
Clean Water Act:	This product contains the following chemicals listed under the U.S. Clean Water Act Priority Pollutant 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 additive.
Occupational Safety and Health Act	This product is not considered a hazardous chemical under the OSHA Hazard Communication Standard.
RCRA	This product contains no chemicals considered to be hazardous waste under RCRA (40 CFR 261).
SARA Title III: Section 302 (TPQ)	This product contains no chemicals regulated under Sec. 302 as extremely hazardous substances.
SARA Title III: Section 302 (RQ)	This product contains no chemicals regulated under Sec. 304 as extremely hazardous chemicals for emergency release notification ("CERCLA " List).
SARA Title III: Section 311-312:	This product does not contain hazardous substances under the OSHA Hazard Communication Standard, and is not regulated under Section 311-312 (40 CFR 370).
SARA Title III: Section 313:	This product contains the following chemicals outlined in SARA Title III: Section 313: • NONE.
TSCA Section 8(b): Inventory:	This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements.
TSCA Significant New Use Rule:	None of the chemicals listed have a SNUR under TSCA.

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State Regulations

CA Right-to-Know Law:	NONE
California No Significant Risk Rule:	NONE
MA Right-to-Know Law:	NONE
NJ Right-to-Know Law:	NONE
PA Right-to-Know Law:	NONE
FL Right-to-Know Law:	NONE
MN Right-to-Know Law:	NONE

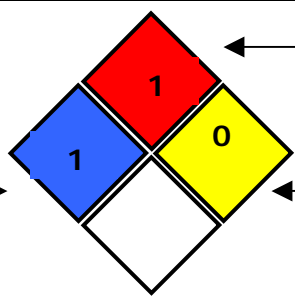
International Regulations

CDSL: Canadian Inventory (On Canadian Transitional List)	None.
EINECS: European Inventory:	<ul style="list-style-type: none"> HAZARD SYMBOLS: N/DA RISK PHRASES: N/DA SAFETY PHRASES: N/DA

Section 16 - Other Information

Hazard Rating System (Pictograms)

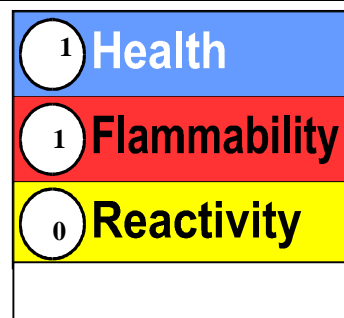
NFPA:



Health → 1 ← 1 Flammability

 ← 0 Reactivity

HMIS:



1 Health

1 Flammability

0 Reactivity

Reviewed December 2006	
Revised Sections since Last Version:	Overall format revision

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