

Section 1 – Identification
Product Name: WAX PALATE PATTERNS

Manufacturer: Keystone Industries
52 W King St
Myerstown PA 17067

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

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

Family: Dental waxes

EU Address: KEYSTONE EUROPE LLC.
Batavenweg 7

Product Use: Dental Modeling

Product #: 1600010, 1600011

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: • 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: • 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: • 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).

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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.
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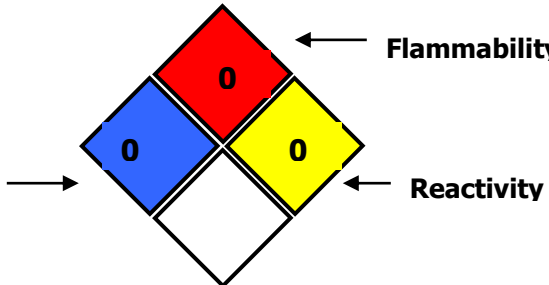
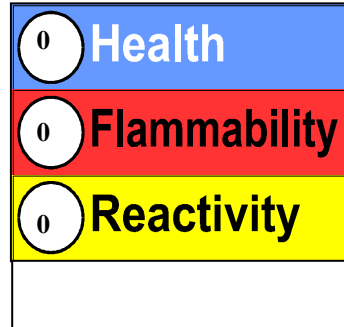
International Regulations

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 Wax Palate Patterns (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:	06/2002	Initial Release
	09/21/2009	Overall format revision
	12/14/2011	Reviewed, no content changes made
	01/09/2015	Format updated

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