

SAFETY DATA SHEETS

This SDS packet was issued with item:

075350608

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 075348875 075348909 075348933 075348966

075348990 075349022 075350582 075350590 075350616 075350624 075350632 075350640

Material Safety Data Sheet CASTING WAX Page 1 of 4

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

Product Name: Casting Wax

Chemical Name:

Family: Waxes

Product Use: Patterning

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

MSDS Initial Approval Date:	Feb 2006
MSDS Prepared by:	JRR

Manufacturer: Keystone Industries.
 616 Hollywood Av
 Cherry Hill, NJ 08002
Emergency Phone Numbers: (800) 535 - 5053
Information Contacts: (856) 663 - 4700

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	%
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This product contains no hazardous materials as defined by the OSHA Hazard Communication Standard, CFR Title 29 1910.1200.

Section 3 - Hazards Identification

No hazardous ingredients

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%)
Open cup 480 F/249 C	LEL: N/A UEL: N/A	Not Determined

Method:

- Extinguishing Media: Foam, dry chemicals
- Fire Fighting Instructions: No special instructions
- Unusual Hazards: None

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	Viscosity	% Volatile
Pink or green in color	Little or no odor	N/A	0.935	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)
380 F/193 C	N/E		N/A	N/A	N/A	N/E	Insoluble

Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
Open cup 480 F/249 C	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:	

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#:

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

To the best of our knowledge, the ecotoxicological and chemical fate properties have not been thoroughly investigated. Do not allow to enter drinking water supplies, wastewater, or soil.

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Environmental Fate Information

Section 13 - Disposable 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: <ul style="list-style-type: none"> NONE
Clean Water Act:	This product contains the following chemicals listed under the U.S. Clean Water Act Priority Pollutant 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 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: <ul style="list-style-type: none"> 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.

State Regulations

CA Right-to-Know Law:	NONE
California No Significant Risk Rule:	NONE

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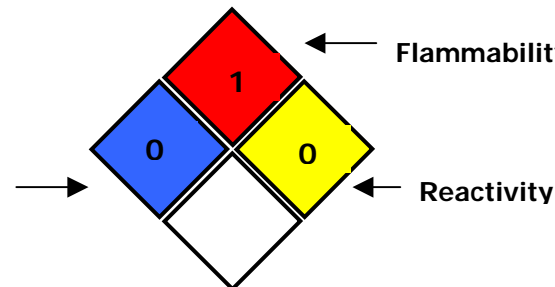
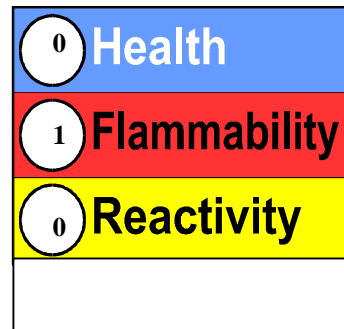
MA Right-to-Know Law:	NONE
NJ Right-to-Know Law:	NONE
PA Right-to-Know Law:	NONE
FL Right-to-Know Law:	NONE
MN Right-to-Know Law:	NONE

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:		HMIS:	
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Revised Sections since Last Version:	Overall format revision
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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

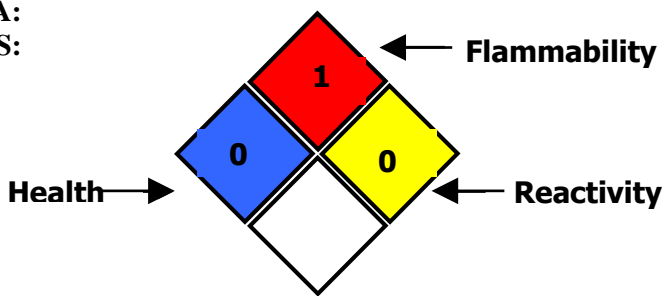
Section 15 Regulatory Information**15.1 US Federal Regulations**

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: #0070C0; color: white;">0</td> <td style="background-color: #0070C0; 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 colspan="2" style="background-color: #FFFFFF; height: 30px;"></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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