



## **SPECIALTY PRODUCTS CO.**

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# **HONEY WAX® Premium Mold Release Paste Wax**

## **PRODUCT DESCRIPTION**

**Honey Wax®** is a unique, high gloss paste wax for use by the reinforced fiberglass molder as a mold release agent. It is compounded with the purest grade carnauba wax, plus special binders and spreading agents.

**Honey Wax®** reduces man hours due to its exceptional ease of application and buffing. It is an excellent mold release agent providing reproducibility, glossiness, and a non-staining, hard releasing film which are important to the fabricator. It is easier to apply and remove than other processed waxes and the residual film is resistant to abrasion. **Honey Wax®** creates a durable wax surface that remains intact for multiple pulls.

## **MOLD PREPARATION**

It is essential that the mold surface be thoroughly cleaned so that all traces of previous waxes used and/or other release agents or any foreign materials are removed. **KantStik® Mold Cleaner** will remove waxes and wax residue. It should be noted, however, that the **KantStik® Mold Cleaner** breaks down the wax and, therefore, residue must be removed from the mold surface. A clean cloth should be used for this purpose to ensure that the dissolved wax is completely removed and not merely being spread.

Continue the process until the surface is completely clean. To test the surface for cleanliness, use a piece of masking tape on various points on the mold surface. Good adhesion to the mold should be observed when removing tape. If not, further cleaning is necessary.

## **APPLICATION**

Once the mold surface has been thoroughly cleaned, **Honey Wax®** can be applied using a soft cotton cloth, being careful not to scratch the fiberglass mold surface.

1. Apply a thin, even film of **Honey Wax®** using circular motions and making sure there is complete uniform coverage.
2. The coating should be left to haze completely. This process should take approximately 15 minutes depending upon ambient temperatures and humidity. Hazing is an important step, as all the carriers (mineral spirits) should evaporate completely before buffing. The wax film should be totally dry.
3. Buff the surface to a luster using a fresh, clean absorbent cloth.
4. Wait approximately 10 to 15 minutes before applying another coat of **Honey Wax®**. Five to seven applications initially will effectively fill the pores and coat the mold surface (The number of coats depends upon the porosity of the mold).
5. Once a part is pulled, apply two more coats of **Honey Wax®** following Steps 1, 2 and 3.
6. For the third part, a single application will suffice. From this point on, multiple pulls can be achieved.

**NOTE:** In high humidity conditions, it may be necessary to give the mold a final wiping with a clean, dry cloth to remove any haze that develops from unreleased solvents. In order to avoid contamination, a clean cloth should always be used when applying and buffing this product.

Also recommended is the use of our **KantStik® Sealer 2.0** which will provide superior smoothness and effectively seals the surface of the tooling mold before applying the **Honey Wax®**. The use of **KantStik® Sealer 2.0** to new molds and plugs during the break-in period will also serve to protect wax coatings from being attacked by styrene migration.

**AVAILABILITY:** **Honey Wax®** is available in 14-ounce cans, 12 cans per case

**STORAGE:** Reseal the lid tightly when not in use to avoid solvent evaporation and loss in performance. For more information, please refer to our Material Safety Data Sheet.

**MATERIAL SAFETY DATA SHEET**  
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**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME: Honey Wax®  
PRODUCT CODE: P52314  
CHEMICAL FAMILY: Hydrocarbons  
FORMULA: WAX BLEND FOR INDUSTRIAL MOLD RELEASE

**SUPPLIER:** \_\_\_\_\_ **EMERGENCY TELEPHONE NUMBERS** \_\_\_\_\_  
Specialty Products Co. +1 951-479-0179 (9:00 AM to 5:00 PM, Pacific Time, Monday through Friday)  
Chemtrec's Emergency Number: +1-800-424-9300 in the U.S. +1-703-527-3887 outside of U.S.

"Only in the event of chemical emergencies involving a spill, leak, fire exposure, or accident involving chemicals"

**2. COMPOSITION/INFORMATION ON INGREDIENTS:**

**HAZARDOUS INGREDIENTS**

<u>INGREDIENT NAME</u>	<u>CAS NUMBER</u>	<u>EXPOSURE LIMITS</u>	<u>CONCENTRATION</u>
Mineral Spirits (Stoddard Solvent)	8052-41-3	TLV 500A 100B	70-75%

**NON-HAZARDOUS INGREDIENTS:**

Proprietary Wax Blend 25-30%

**3. HAZARDOUS IDENTIFICATION**

HAZARD RATING: 0-LEAST 1-SLIGHT 2-MODERATE 3-HIGH 4-EXTREME  
FIRE 2  
TOXICITY 2  
REACTIVITY 0

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**EMERGENCY OVERVIEW**  
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**CAUTION: FLAMMABLE SOLID. KEEP AWAY FROM HEAT & OPEN FLAME.**  
**DO NOT INDUCE VOMITING IF SWALLOWED.**

**KEEP OUT OF REACH OF CHILDREN. FOR INDUSTRIAL USE ONLY.**

**HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE:**

**INHALATION:** Respiratory track irritation. May produce anesthesia in high concentrations.  
**SKIN CONTACT:** Prolonged skin contact may result in irritation and/or dermatitis.  
**EYE CONTACT:** May be an eye irritant.  
**INGESTION:** None known for this product as a whole.  
**CARCINOGENICITY:** NTP: None IARC: None OSHA: None

**4. FIRST AID MEASURES**

**FIRST AID FOR EYES:** If this product comes in contact with the eyes, flush with large quantities of water for at least 15 minutes and seek immediate medical attention.

**FIRST AID FOR SKIN:** Remove any contaminated clothing. Wash with soap and large quantities of water. Seek medical attention if irritated.

**FIRST AID FOR INHALATION:** If breathing is difficult, dizziness, or light headedness occur when working in areas with high vapor concentration, move outside to fresh air immediately. If breathing stops, begin artificial respiration and seek immediate medical attention.

**FIRST AID FOR INGESTION:** If this product is swallowed, seek medical attention immediately. **DO NOT** induce vomiting unless directed by a physician.

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**5. FIRE FIGHTING MEASURES:**

**FLASH POINT:** 104°F (40°C)

**EXTINGUISHING MEDIA:** Use foam, CO<sub>2</sub>, or dry chemical fire fighting apparatus.

**HAZARDOUS POLYMERIZATION:** Use of self-contained breathing apparatus is recommended for fire fighters. Avoid spreading burning liquid with water. Contact fire department immediately.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Keep work areas free of hot metal surfaces and other sources of ignition.

**6. ACCIDENTAL RELEASE MEASURES:**

**SPILL OR LEAK PROCEDURES:** Stay upwind and away from spill unless wearing appropriate protective equipment. Stop and/or contain spill if it can be done safely. Keep away all sources of ignition.

**7. HANDLING AND STORAGE:**

**HANDLING AND STORAGE PRECAUTIONS:** Keep product containers cool, dry and away from sources of ignition. Use and store with adequate ventilation.

**OTHER PRECAUTIONS:** Personnel should avoid inhalation of vapors. Should contact be made, remove saturated clothing and flush water.

**SHELF LIFE:** Five years after date of sale provided containers are kept tightly sealed following storage precautions.

**SPECIAL SENSITIVITY:** None indicated by supplier.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION:**

**EYE PROTECTION REQUIREMENTS:** Safety glasses or chemical goggles and/or face shield are recommended.

**SKIN PROTECTION REQUIREMENTS/OTHER PROTECTIVE EQUIPMENT:** The use of heavy rubber gloves is advised to prevent skin irritation and absorption. Impermeable aprons. Availability of eye washes and safety are recommended.

**RESPIRATORY/VENTILATION REQUIREMENTS:** The use of respiratory protection depends on vapor concentration of the time-weighted TLV. Use a respirator/gas mask with appropriate cartridges and canister (NIOSH approved, if available) or supplied air equipment, depending on airborne concentration. If general ventilation proves inadequate to maintain safe vapor concentration, supplemental local exhaust may be required. Other special precautions such as respiratory protection may be required if vapor concentrations cannot be reduced to below the TLV by ventilation.

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

<b>PHYSICAL FORM / COLOR:</b>	Solid Paste / Yellow
<b>ODOR:</b>	Slight Solvent
<b>BOILING POINT:</b>	315°F to 390°F (157°C to 199°C)
<b>PH:</b>	Not applicable
<b>SOLUBILITY IN WATER:</b>	Negligible
<b>SPECIFIC GRAVITY:</b>	0.78
<b>BULK DENSITY:</b>	7 lbs. per gallon
<b>% VOLATILE BY WEIGHT:</b>	Approximately 70%
<b>VAPOR PRESSURE:</b>	Not available
<b>VAPOR DENSITY:</b>	4.90 (air = 1)
<b>VOC CONTENT:</b>	278 gm per 14 oz (397 gm) of product

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**10. REACTIVITY:**

**STABILITY:** Stable

**CONDITIONS TO AVOID:** None.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**INCOMPATIBILITIES:** This product is incompatible with strong oxidizing agents, strong acids, or bases, and selected amines.

**DECOMPOSITION PRODUCTS:** Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide.

**11. ECOLOGICAL INFORMATION:** Stay upwind and away from spill unless wearing appropriate protective equipment. Stop and/or contain spill if it can be done safely. Keep all sources of ignition away.

**13. DISPOSAL CONSIDERATIONS:**

**WASTE DISPOSAL METHOD:** Dispose of product in accordance with applicable local, federal, state, county regulations.

**14. TRANSPORTATION INFORMATION:**

<b>U.N./N.A. NUMBER:</b>	UN 1325
<b>PROPER SHIPPING NAME:</b>	FLAMMABLE SOLID, ORGANIC, N.O.S.
<b>TECHNICAL SHIPPING NAME:</b>	(MINERAL SPIRITS)
<b>HAZARD CLASS:</b>	4.1
<b>PACKAGING GROUP:</b>	III
	LTD QTY

This product is shipped in cases of twelve 14-ounce (397 gram) metal cans.

**15. REGULATORY INFORMATION:**

NONE

**DATE:** April 9, 2008  
**PREPARED BY:** ERNEST J. BALLESTER

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE. HOWEVER, SPECIALTY PRODUCTS CO. ASSUMES NO LIABILITY WHATSOEVER FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION CONTAINED HEREIN. FINAL DETERMINATION OF SUITABILITY OF ANY MATERIAL IS THE SOLE RESPONSIBILITY OF THE USER. ALL MATERIALS MAY PRESENT UNKNOWN HEALTH HAZARDS AND SHOULD BE USED WITH CAUTION. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN, WE CANNOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS WHICH EXIST.