

## Material Safety Data Sheet

### Microcrystalline Wax

#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** ASTORLITE J 50

**OTHER/GENERIC NAMES:** Microcrystalline Wax

**PRODUCT USE:** Multiple uses.

**MANUFACTURER:** Honeywell International  
Specialty Wax & Additives  
101 Columbia Rd., P.O. Box 1053  
Morristown, NJ 07962-1053

**FOR MORE INFORMATION CALL:**

(Monday-Friday, 9:00am-4:30pm)  
814-827- 3609

**IN CASE OF EMERGENCY CALL:**

(24 Hours/Day, 7 Days/Week)  
800-424-9300 (CHEMTREC)  
973-455-2000

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT NAME</u>	<u>CAS #</u>	<u>WEIGHT %</u>
Microcrystalline wax , clay-treated	64742-42-3	100

Trace impurities and additional material names not listed above may also appear in the Regulatory Information section (#15) towards the end of the MSDS. These materials may be listed for local "Right to Know" compliance and for other reasons.

#### 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** The product is a white to black waxy solid in prill , pellet , or slab form. Exposure to fumes from melting operations may cause irritation . Contact with molten material will cause thermal burns. No other significant immediate health , physical or environmental hazards are associated with these materials.

**POTENTIAL HEALTH HAZARDS:**

**SKIN:** Prolonged or repeated exposure may cause irritation. Contact with molten material will cause thermal burns .

**EYES:** Contact with powder may cause mechanical irritation . Exposure to fumes may cause irritation.

## Material Safety Data Sheet

### Microcrystalline Wax

**INHALATION:** Powder or fumes may cause irritation.

**INGESTION:** Not expected to occur .

**DELAYED EFFECTS:** None known.

**Ingredients found on one of the OSHA designated carcinogen lists are listed below.**

<u>Ingredient Name</u>	<u>NTP Status</u>	<u>IARC Status</u>	<u>OSHA List</u>
------------------------	-------------------	--------------------	------------------

\* No ingredients listed in this section \*

#### 4. FIRST AID MEASURES

**SKIN:** Wash thoroughly with water and soap ; if irritation develops , contact a physician . In case of contact with molten material , submerge injured area in cold water . Do not attempt to remove material adhering to the skin .Get immediate medical attention .

**EYE:** Flush eyes with large amounts of water . Get medical attention if irritation occurs.

**INHALATION:** For inhalation of powder or vapors, remove to fresh air. If breathing is difficult , get medical attention .

**INGESTION:** Not expected to occur.

**ADVICE TO PHYSICIAN:** No specific advice. Treat according to symptoms present. Burns from molten material can be treated as normal thermal burns .

#### 5. FIRE FIGHTING MEASURES

##### FLAMMABLE PROPERTIES:

**FLASH POINT:** > 500°F (> 260°C)

**FLASH POINT METHOD:** Open cup.

**AUTOIGNITION TEMPERATURE:** Not known.

**UPPER FLAME LIMIT (Volume % in air):** Not applicable.

**LOWER FLAME LIMIT (Volume % in air):** Not applicable.

**FLAME PROPAGATION RATE (Solids):** Unknown.

**OSHA FLAMMABILITY CLASS:** Not applicable.

##### **EXTINGUISHING MEDIA:**

Carbon dioxide, dry chemical or fine water spray. Avoid water stream on molten burning material as it may scatter and spread the fire.

## Material Safety Data Sheet

### Microcrystalline Wax

#### UNUSUAL FIRE AND EXPLOSION HAZARDS:

Melts in proximity to fires causing slippery floors and stairs .Material does not ignite readily , but will burn . Fire may produce dense smoke and irritating or poisonous gases . Run-off from fire control may cause pollution .

#### SPECIAL FIREFIGHTING PRECAUTIONS/INSTRUCTIONS:

Wear self-contained breathing apparatus approved by NIOSH and protective clothing . Watch footing on floors and stairs because of possible spreading of molten material. Use water spray to keep containers cool.

### 6. ACCIDENTAL RELEASE MEASURES

**IN CASE OF SPILL OR OTHER RELEASES:** (Always wear recommended personal protective equipment.)

Sweep up spilled material , place it in container and dispose as is described in Section 13 .

Spills and releases may have to be reported to Federal and/or local authorities. See the Regulatory Information section (#15) regarding reporting requirements.

### 7. HANDLING AND STORAGE

**NORMAL HANDLING:** (Always wear recommended personal protective equipment.)

Avoid spillage which can cause slippery conditions. Use good personal hygiene and housekeeping. Avoid breathing fumes from heating operations.

#### STORAGE RECOMMENDATIONS:

Avoid excessive heat. Do not store near strong oxidizing agents.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### ENGINEERING CONTROLS:

Use adequate ventilation when handling molten material. For storage and ordinary handling , general ventilation is satisfactory.

#### PERSONAL PROTECTIVE EQUIPMENT:

#### SKIN PROTECTION:

Chemical-resistant gloves for prolonged or repeated exposure . Insulated gloves with long sleeves for handling molten material.

# Material Safety Data Sheet

## Microcrystalline Wax

**EYE PROTECTION:**

Chemical goggles around molten material .

**RESPIRATORY PROTECTION:**

Use a NIOSH approved vapor respirator around molten material if ventilation is not adequate .

**ADDITIONAL RECOMMENDATIONS:**

Not generally required .

**EXPOSURE GUIDELINES:** (Guidelines exist for the following ingredients)

<u>Ingredient Name</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>Other Limit</u>
* No ingredients listed in this section *			

\* = Limit established by Honeywell International

\*\* = Workplace Environmental Exposure Level (AIHA)

\*\*\* = Biological Exposure Index

Other exposure limits for the decomposition products normally associated with product use are as follows: None .

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** White to brown prills , pastilles or slabs.  
**PHYSICAL STATE:** Solid.  
**ODOR:** Characteristic waxy odor.  
**SPECIFIC GRAVITY:** (Water = 1.0) 0.83-0.87  
**SOLUBILITY IN WATER:** (Weight %) Negligible  
**pH:** Not applicable.  
**BOILING POINT:** Not applicable.  
**MELTING POINT:** 65-90 °C (150-195°F)  
**VAPOR PRESSURE:** Negligible.  
**VAPOR DENSITY:** (Air = 1.0) Not applicable.  
**EVAPORATION RATE:** Not applicable. Compared to: Not applicable.  
**% VOLATILES:** Not applicable.  
**FLASH POINT:** > 500°F (> 260°C)  
 (Flash point method and additional flammability data are found in Section 5.)

## Material Safety Data Sheet

### Microcrystalline Wax

#### 10. STABILITY AND REACTIVITY

**NORMALLY STABLE? (Conditions to Avoid)**

Stable at normal conditions.

**INCOMPATIBILITIES:**

Strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Depending on conditions of fire, CO, CO<sub>2</sub>, and other hazardous gases may be generated.

**HAZARDOUS POLYMERIZATION?**

Will not occur.

#### 11. TOXICOLOGICAL INFORMATION

**IMMEDIATE (ACUTE) EFFECTS:**

Not determined.

**DELAYED (SUBCHRONIC & CHRONIC) EFFECTS:**

Not determined.

**OTHER DATA:**

No other data developed.

#### 12. ECOLOGICAL INFORMATION

No data have been developed on this subject. This product is not soluble in water, and is not expected to cause an adverse environmental effect.

#### 13. DISPOSAL CONSIDERATIONS

**RCRA:**

Is the unused product a RCRA hazardous waste if discarded? No.

If yes, the RCRA ID number is:

## Material Safety Data Sheet

### Microcrystalline Wax

**OTHER DISPOSAL CONSIDERATIONS:** Discard as non-hazardous organic solid waste when solidified .

The information offered here is for the product as shipped. Use and/or alteration to the product such as mixing with other materials may significantly change the characteristics of the material and alter the RCRA classification and the proper disposal method.

#### 14. TRANSPORT INFORMATION

**US DOT PROPER SHIPPING NAME:** Not regulated

**US DOT HAZARD CLASS:** Not applicable

For additional information on shipping regulations affecting this material, contact the information number found on the first page.

#### 15. REGULATORY INFORMATION

**TOXIC SUBSTANCES CONTROL ACT (TSCA):**

**TSCA INVENTORY STATUS:** Product is listed on the TSCA Chemical Inventory .

**OTHER TSCA ISSUES:** None.

**SARA TITLE III/CERCLA:**

**RQs & TPQs**

"Reportable Quantities" (RQs) and/or "Threshold Planning Quantities" (TPQs) exist for the following ingredients.

<u>Ingredient</u>	<u>SARA/CERCLA RQ (lbs)</u>	<u>SARA EHS TPQ (lbs)</u>
-------------------	---------------------------------	-------------------------------

\* No ingredients listed in this section \*

**Spills/releases resulting in the loss of any ingredient at or above its RQ requires immediate notification to the National Response Center (1-800-424-8802) and to your Local Emergency Planning Committee.**

**SECTION 311 HAZARD CLASS:** None.

**SARA 313 TOXIC CHEMICALS:**

The following ingredients are SARA 313 "Toxic Chemicals". CAS #'s and wt. % are found in section #2.

<u>Ingredient</u>	<u>Comment</u>
-------------------	----------------

\* No ingredients listed in this section \*

# *Material Safety Data Sheet*

## **Microcrystalline Wax**

### **STATE RIGHT TO KNOW:**

In addition to the ingredients found in Section 2, the following are listed for state right-to-know purposes:

<u>Ingredient</u>	<u>Wt. %</u>	<u>Comment</u>
-------------------	--------------	----------------

\* No ingredients listed in this section \*

### **ADDITIONAL REGULATORY INFORMATION:**

None.

### **WHMIS CLASSIFICATION (CANADA):**

Not subject to WHMIS regulations.

### **FOREIGN INVENTORY STATUS:**

Canadian DSL (Domestic Substances List)

EINECS (European Inventory of Existing Commercial Chemical Substances)

Australian Inventory

Korean Inventory

Philippine Inventory (PICCS)

Chinese Inventory

## **16. OTHER INFORMATION**

**CURRENT ISSUE DATE:** 1/01

**PREVIOUS ISSUE DATE:** 3/99

### **CHANGES TO MSDS FROM PREVIOUS ISSUE DATE ARE DUE TO THE FOLLOWING:**

Change of format and company logo.

**OTHER INFORMATION:** None