



# Material Safety Data Sheet

## 1. PRODUCT AND COMPANY IDENTIFICATION

ADVAWAX™ 280 Specialty Wax

**Supplier** ROHM AND HAAS CHEMICALS LLC  
A Subsidiary of The Dow Chemical Company  
100 INDEPENDENCE MALL WEST  
PHILADELPHIA, PA 19106-2399 United States

**For non-emergency information contact:** 215-592-3000

**For non-emergency information contact:** 215-592-3000

**Emergency telephone number** 1 800 424 9300

**Local emergency telephone number** 989-636-4400

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Concentration
Amide wax	Not Hazardous	97.0 - 100.0%

## 3. HAZARDS IDENTIFICATION

### Emergency Overview

### Appearance

**Form** Beads  
**Colour** Off-white to tan  
**Odour** slight

### Hazard Summary

**CAUTION!**  
MAY CAUSE EYE AND SKIN IRRITATION.

### Potential Health Effects

**Primary Routes of Entry:** Eye contact  
Skin contact

**Eyes:** May cause eye irritation.

**Skin:** Prolonged or repeated skin contact can cause the following:  
Skin irritation

**Ingestion:** Material can cause the following:  
Vomiting  
Abdominal pain  
nausea  
diarrhea

**Inhalation:** Exposure by inhalation is unlikely.

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#### 4. FIRST AID MEASURES

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**Inhalation:** Move to fresh air.

**Skin contact:** Take off all contaminated clothing immediately. Wash off with soap and plenty of water. In the case of skin irritation or allergic reactions see a physician. Wash contaminated clothing before re-use. Do not take clothing home to be laundered.

**Eye contact:** Rinse with plenty of water. If eye irritation persists, consult a specialist.

**Ingestion:** Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Consult a physician.

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#### 5. FIRE-FIGHTING MEASURES

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**Flash point** 243 °C ( 469.94 °F ) SETAFLASH CLOSED CUP  
**Lower explosion limit** not applicable  
**Upper explosion limit** not applicable

**Suitable extinguishing media:** Dry chemical  
Carbon dioxide (CO<sub>2</sub>)  
Water spray  
Foam  
Use extinguishing media appropriate for surrounding fire.

**Specific hazards during fire fighting:** Material as sold is combustible; burns vigorously with intense heat.

**Special protective equipment for fire-fighters:** Wear self-contained breathing apparatus and protective suit.

**Further information:** Use water spray to cool unopened containers.  
Remain upwind.  
Avoid breathing smoke.

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## 6. ACCIDENTAL RELEASE MEASURES

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### Personal precautions

Use personal protective equipment.

Keep people away from and upwind of spill/leak.

### Environmental precautions

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

### Methods for cleaning up

Keep people away from and upwind of spill/leak.

Material can create slippery conditions.

Transfer spilled material to suitable containers for recovery or disposal.

Avoid dust formation.

Avoid breathing dust.

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## 7. HANDLING AND STORAGE

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### Storage

**Storage conditions:** Store away from excessive heat (e.g. steampipes, radiators), from sources of ignition and from reactive materials. Keep in a dry, cool and well-ventilated place. Keep container tightly closed.

### Further information:

Vapors can be evolved when material is heated during processing operations. See SECTION 8, Exposure Controls/Personal Protection, for types of ventilation required.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Exposure limit(s)

Exposure limits are listed below, if they exist.

### Exposure controls

**Engineering measures:** Use local exhaust ventilation with a minimum capture velocity of 150 ft/min. (0.75 m/sec.) at the point of dust or mist evolution. Refer to the current edition of "Industrial Ventilation: A Manual of Recommended Practice" published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

**Protective measures:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

### Individual protection measures

**Eye/face protection:** Safety glasses with side-shields. Eye protection worn must be compatible with respiratory protection system employed.

### Skin protection

**Hand protection:** For prolonged or repeated contact use protective gloves.

**Respiratory protection:** A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements or equivalent must be followed whenever workplace conditions warrant a

respirator's use. None required under normal operating conditions. When dusty conditions are encountered, wear a properly fitted NIOSH approved (or equivalent) half-mask, air-purifying respirator. Air-purifying respirators should be equipped with NIOSH approved (or equivalent) N95 filters. If oil mist is present, use R95 or P95 filters.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form	Beads
Colour	Off-white to tan
Odour	slight
pH	not applicable
Melting point/range	141.00 °C ( 285.80 °F)
Boiling point/boiling range	>300 °C ( 572 °F) Decomposes
Flash point	243 °C ( 469.94 °F) SETAFLASH CLOSED CUP
Evaporation rate	not applicable
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Vapour pressure	<0.01 mmHg at 20 °C (68.00 °F)
Relative vapour density	not applicable
Relative density	0.97
Water solubility	insoluble
Viscosity, dynamic	not applicable
Percent volatility	<0 %

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY AND REACTIVITY

Hazardous reactions	None known. Stable
Materials to avoid	Strong oxidizing agents Acids and bases
Polymerisation	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No toxicity data are available for this material.

Component: Amide wax  
Acute oral toxicity LD50 rat >5,000 mg/kg

Component: Amide wax

<b>Acute dermal toxicity</b>	LD50 rabbit >2,000 mg/kg
Component: <b>Amide wax</b>	
<b>Skin irritation</b>	rabbit slight irritation
Component: <b>Amide wax</b>	
<b>Eye irritation</b>	rabbit slight irritation

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## 12. ECOLOGICAL INFORMATION

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There is no data available for this product.

### Amide wax

#### Elimination information (persistence and degradability)

**Biodegradability** OECD Test Guideline 301B or Equivalent  
 15 %  
 Not readily biodegraded.  
 10-day Window: Fail

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## 13. DISPOSAL CONSIDERATIONS

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**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

### **Disposal**

**Waste Classification:** When a decision is made to discard this material as supplied, it does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity, and is not listed in 40 CFR 261.33. The toxicity characteristic (TC), however, has not been evaluated by the Toxicity Characteristic Leaching Procedure (TCLP).

For disposal, incinerate this material at a facility that complies with local, state, and federal regulations.

**Contaminated packaging:** CONTAINERS MAY BE HAZARDOUS WHEN EMPTY. Since emptied containers retain product residue follow all MSDS and label warnings even after container is emptied.

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## 14. TRANSPORT INFORMATION

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### **DOT**

Not regulated for transport

### **IMO/IMDG**

Not regulated (Not dangerous for transport)

*Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations*

## 15. REGULATORY INFORMATION

### Workplace Classification

OSHA: This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR1910.1200).

WHMIS: This product is not a 'controlled product' under the Canadian Workplace Hazardous Materials Information System (WHMIS).

**SARA TITLE III: Section 311/312 Categorizations (40CFR370):** This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA.

**US. Toxic Substances Control Act (TSCA):** All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

### Pennsylvania

Any material listed as "Not Hazardous" in the CAS REG NO. column of SECTION 2, Composition/Information On Ingredients, of this MSDS is a trade secret under the provisions of the Pennsylvania Worker and Community Right-to-Know Act.

## 16. OTHER INFORMATION

### HMIS Hazard Rating

Health	Fire	Reactivity	Physical Hazard	PPE
1	1	0		

### Legend

ACGIH	American Conference of Governmental Industrial Hygienists
BAC	Butyl acetate
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
STEL	Short Term Exposure Limit (STEL):
TLV	Threshold Limit Value
TWA	Time Weighted Average (TWA):
	Bar denotes a revision from prior MSDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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