



## Material Safety Data Sheet

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This material safety data sheet (MSDS) is provided as a courtesy in response to a customer request. This product is not regulated under, and a MSDS is not required for this product by the OSHA Hazard Communication Standard (29 CFR 1910.1200) because, when used as recommended or under ordinary conditions, it should not present a health and safety hazard. However, use or processing of the product not in accordance with the product's recommendations or not under ordinary conditions may affect the performance of the product and may present potential health and safety hazards.

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** 3M™ 400 Adhesive Transfer Tapes: 450XL, 450EK, 463, 463P, 465, 465W, 465XL, 920XL, 924, 970XL, 987, 9457, 9464, 9498, 9665, 9926XL, and XG2105  
**MANUFACTURER:** 3M  
**DIVISION:** Industrial Adhesives and Tapes Division  
**ADDRESS:** 3M Center, St. Paul, MN 55144-1000

**EMERGENCY PHONE: 1-800-364-3577 or (651) 737-6501 (24 hours)**

**Issue Date:** 08/13/13  
**Supersedes Date:** 03/28/13

**Document Group:** 20-9882-0

#### Product Use:

**Specific Use:** Lamination/Attachment  
**Intended Use:** Industrial use

### SECTION 2: INGREDIENTS

| <u>Ingredient</u>        | <u>C.A.S. No.</u> | <u>% by Wt</u> |
|--------------------------|-------------------|----------------|
| Paper or Film Liner      | Mixture           | Not Applicable |
| Acrylic Adhesive Polymer | Trade Secret      | 100            |

### SECTION 3: HAZARDS IDENTIFICATION

#### 3.1 EMERGENCY OVERVIEW

**Odor, Color, Grade:** Clear Tape with Paper or Polyester Liner, Slight Acrylate Odor  
**General Physical Form:** Solid

**Immediate health, physical, and environmental hazards:** This product, when used under reasonable conditions and in accordance with the 3M directions for use, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential health and safety hazards.

## 3.2 POTENTIAL HEALTH EFFECTS

**Eye Contact:**

No health effects are expected.

**Skin Contact:**

No health effects are expected.

**Inhalation:**

No health effects are expected.

**Ingestion:**

No health effects are expected.

## SECTION 4: FIRST AID MEASURES

### 4.1 FIRST AID PROCEDURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

**Eye Contact:** No need for first aid is anticipated.  
**Skin Contact:** No need for first aid is anticipated.  
**Inhalation:** No need for first aid is anticipated.  
**If Swallowed:** No need for first aid is anticipated.

## SECTION 5: FIRE FIGHTING MEASURES

### 5.1 FLAMMABLE PROPERTIES

|                          |                       |
|--------------------------|-----------------------|
| Autoignition temperature | <i>Not Applicable</i> |
| Flash Point              | <i>Not Applicable</i> |
| Flammable Limits(LEL)    | <i>Not Applicable</i> |
| Flammable Limits(UEL)    | <i>Not Applicable</i> |

### 5.2 EXTINGUISHING MEDIA

Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

### 5.3 PROTECTION OF FIRE FIGHTERS

**Special Fire Fighting Procedures:** Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

**Unusual Fire and Explosion Hazards:** No unusual fire or explosion hazards are anticipated.

**Note: See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.**

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Using appropriate and recommended personal protective equipment, sweep up the spilled material.

### **6.2. Environmental precautions**

Dispose of collected material as soon as possible.

### **Clean-up methods**

Collect as much of the spilled material as possible.

## **SECTION 7: HANDLING AND STORAGE**

### **7.1 HANDLING**

This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions.

### **7.2 STORAGE**

Not applicable.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1 ENGINEERING CONTROLS**

Not applicable.

### **8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)**

#### **8.2.1 Eye/Face Protection**

Not applicable.

#### **8.2.2 Skin Protection**

Not applicable. Avoid prolonged or repeated skin contact. Gloves are not required.

#### **8.2.3 Respiratory Protection**

Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

#### **8.2.4 Prevention of Swallowing**

Not applicable. Not an expected route of exposure.

### **8.3 EXPOSURE GUIDELINES**

None Established

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

|   |  |
|---|--|
| <b>Odor, Color, Grade:</b>                | Clear Tape with Paper or Polyester Liner, Slight Acrylate Odor |
| <b>General Physical Form:</b>             | Solid  |
| <b>Autoignition temperature</b>           | <i>Not Applicable</i>  |
| <b>Flash Point</b>                        | <i>Not Applicable</i>  |
| <b>Flammable Limits(LEL)</b>              | <i>Not Applicable</i>  |
| <b>Flammable Limits(UEL)</b>              | <i>Not Applicable</i>  |
| <b>Boiling Point</b>                      | <i>Not Applicable</i>  |
| <b>Density</b>                            | <i>Not Applicable</i>  |
| <b>Vapor Density</b>                      | <i>Not Applicable</i>  |
| <b>Vapor Pressure</b>                     | <i>Not Applicable</i>  |
| <b>Specific Gravity</b>                   | <i>Not Applicable</i>  |
| <b>pH</b>                                 | <i>Not Applicable</i>  |
| <b>Melting point</b>                      | <i>Not Applicable</i>  |
| <b>Solubility in Water</b>                | Nil  |
| <b>Evaporation rate</b>                   | <i>Not Applicable</i>  |
| <b>Volatile Organic Compounds</b>         | <i>Not Applicable</i>  |
| <b>Percent volatile</b>                   | 0 % volume   |
| <b>VOC Less H2O &amp; Exempt Solvents</b> | <i>Not Applicable</i>  |
| <b>Viscosity</b>                          | <i>Not Applicable</i>  |

## SECTION 10: STABILITY AND REACTIVITY

**Stability:** Stable.

### Materials and Conditions to Avoid:

#### 10.1 Conditions to avoid

None known

#### 10.2 Materials to avoid

None known

**Hazardous Polymerization:** Hazardous polymerization will not occur.

### Hazardous Decomposition or By-Products

#### Substance

Hydrocarbons  
Carbon monoxide  
Carbon dioxide

#### Condition

At Elevated Temperatures  
At Elevated Temperatures  
At Elevated Temperatures

**Hazardous Decomposition:** Under recommended usage conditions, hazardous decomposition products are not expected. Hazardous decomposition products may occur as a result of oxidation, heating, or reaction with another material.

## SECTION 11: TOXICOLOGICAL INFORMATION

Please contact the address listed on the first page of the MSDS for Toxicological Information on this material and/or its components.

## SECTION 12: ECOLOGICAL INFORMATION

### ECOTOXICOLOGICAL INFORMATION

Not determined.

### CHEMICAL FATE INFORMATION

Not determined.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Reclaim if feasible. If product can't be reclaimed, dispose of waste product in a sanitary landfill. Alternatively, incinerate the waste product in an industrial, commercial, or municipal incinerator.

Since regulations vary, consult applicable regulations or authorities before disposal.

## SECTION 14: TRANSPORT INFORMATION

Not regulated per U.S. DOT, IATA or IMO.

*These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. 3M transportation classifications are based on product formulation, packaging, 3M policies and 3M understanding of applicable current regulations. 3M does not guarantee the accuracy of this classification information. This information applies only to transportation classification and **not the packaging, labeling, or marking requirements**. The original 3M package is certified for U.S. ground shipment only. If you are shipping by air or ocean, the package may not meet applicable regulatory requirements.*

## SECTION 15: REGULATORY INFORMATION

### US FEDERAL REGULATIONS

Contact 3M for more information.

#### 311/312 Hazard Categories:

Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - No Delayed Hazard - No

### STATE REGULATIONS

Contact 3M for more information.

### CHEMICAL INVENTORIES

This product is an article as defined by TSCA regulations, and is exempt from TSCA Inventory listing requirements.

Contact 3M for more information.

## **INTERNATIONAL REGULATIONS**

Contact 3M for more information.

**This MSDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.**

## **SECTION 16: OTHER INFORMATION**

### **NFPA Hazard Classification**

**Health: 0 Flammability: 1 Reactivity: 0 Special Hazards: None**

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

### **Revision Changes:**

Section 1: Product name information was modified.

Page Heading: Product name information was modified.

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