

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATIONS AND OF THE COMPANY UNDERTAKING**

**Product Name** Polyken 510  
**Product Name** Polymer Based Pressure Sensitive Adhesive  
**Manufacturer/Supplier** Berry Plastics Corporation, Tapes and Coatings Division  
**Address** 25 Forge Parkway  
 Franklin, MA 02038  
**Phone Number** (800) 248-7659 (Monday – Friday 8:00 am to 5:00 pm)  
**Chemtrec Number** (800) 424-9300  
**Revision Date:** January 30, 2008  
**MSDS Date:** May 15, 2006  
*Safety Data Sheet according to EC directive 2001/58/EC and OSHA's Hazcom Standard (29 CFR 1910.1200)*

**2. HAZARDS IDENTIFICATION**

**EU Main Hazards**  
 Not classified as hazardous.

**Routes of Entry**

- Inhalation - Skin contact

**Carcinogenic Status**

See Section 11 for information.

**Target Organs**

- Skin

**Health Effects - Eyes**

Contact may cause irritation due to mechanical abrasion.

**Health Effects - Skin**

Prolonged, repeated contact with adhesive may cause skin irritation.

**Health Effects - Ingestion**

Not an expected route of entry during normal handling and use.

**Health Effects - Inhalation**

Not expected to cause irritation during normal handling and use.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Component Name</b>	<b>CAS#/Codes</b>	<b>Concentration</b>	<b>R Phrases</b>	<b>Classification</b>
Polymers	N.A.	<25%	None	None
Hydrocarbon resin	N.A.	<20%	None	None
Inorganic Compound(s)	N.A.	<25%	None	None
Titanium Dioxide	13463-67-7 236-675-5	<2%	None	None
Quartz	14808-60-7 238-878-4	<0.5%	None	None

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#### 4. FIRST AID MEASURES

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##### **Eyes**

Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.

##### **Skin**

Wash skin thoroughly with soap and water. Obtain medical attention if blistering occurs or redness persists.

##### **Ingestion**

Obtain medical attention immediately.

##### **Inhalation**

Remove person to fresh air. Seek medical attention if symptoms persist.

##### **Advice to Physicians**

Treat symptomatically.

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#### 5. FIRE - FIGHTING MEASURES

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##### **Extinguishing Media**

Water spray, carbon dioxide and dry chemical.

##### **Unusual Fire and Explosion Hazards**

May release hazardous vapors during a fire.

##### **Protective Equipment for Fire-Fighting**

Wear full protective clothing and self-contained breathing apparatus.

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#### 6. ACCIDENTAL RELEASE MEASURES

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No specific measures necessary. Prevent the material from entering drains or watercourses.

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#### 7. HANDLING AND STORAGE

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Keep away from heat and sources of ignition. Storage area should be: - cool - dry - well ventilated - away from incompatible materials

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#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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##### **Occupational Exposure Standards**

Exposure limits are listed below, if they exist.

##### **Polymer**

None established

##### **Hydrocarbon Resin**

None established

##### **Inorganic Compound(s)**

None established

##### **Titanium Dioxide**

ACGIH TLV: 10 mg/m<sup>3</sup> TWA

OSHA PEL: 15 mg/m<sup>3</sup> TWA (Total dust)

##### **Quartz**

ACGIH TLV for Quartz (silica-crystalline) is 0.025 mg/m<sup>3</sup> measured as respirable fraction of the aerosol

##### **Engineering Control Measures**

No specific measures necessary. Good general room ventilation is expected to be adequate to control airborne levels.

##### **Respiratory Protection**

Respiratory protection not normally required.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Hand Protection

Not required under normal conditions of use. However, care should be taken to avoid contact with the adhesive.

### Eye Protection

Safety glasses

### Body Protection

Normal work wear.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Physical State</b>	Vinyl coated cloth backing with rubber based pressure sensitive adhesive
<b>Color</b>	Gray, Black, White, Neon Green, Neon Pink, Neon Orange, or Neon Yellow backing with beige adhesive
<b>Odor</b>	mild
<b>pH</b>	Not applicable
<b>Specific Gravity</b>	No data available
<b>Boiling Range/Point (°C/F)</b>	Not applicable
<b>Melting Point (°C/F)</b>	Not applicable
<b>Flash Point (PMCC) (°C/F)</b>	Not known
<b>Explosion Limits (%)</b>	No data available
<b>Vapor Pressure</b>	Not applicable
<b>Density</b>	No data.
<b>Solubility in Water</b>	Not known
<b>Vapor Density (Air = 1)</b>	Not applicable

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## 10. STABILITY AND REACTIVITY

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### Stability

Stable under normal conditions.

### Conditions to Avoid

- Heat - High temperatures

### Materials to Avoid

Strong acids – bases - oxidizers

### Hazardous Polymerization

Will not occur.

### Hazardous Decomposition Products

- oxides of carbon – nitrogen – alphaethylacrolein – formaldehyde- flammable hydrocarbons – smoke - fumes

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## 11. TOXICOLOGICAL INFORMATION

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### Acute Toxicity

Low order of acute toxicity.

### Chronic Toxicity/Carcinogenicity

Titanium Dioxide: IARC Overall Evaluation is 2B (Possibly carcinogenic to humans) When encapsulated in the adhesive matrix the risk of exposure is reduced.

For “inhalable” crystalline silica (quartz): IARC Overall Evaluation is 1 (carcinogenic to humans), the quartz in this formulation is in an adhesive matrix and is not expected to be “inhalable”

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**11. TOXICOLOGICAL INFORMATION**

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**Genotoxicity**

This product is not expected to cause any mutagenic effects.

**Reproductive/Developmental Toxicity**

This product is not expected to cause adverse reproductive effects.

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**12. ECOLOGICAL INFORMATION**

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**Mobility**

No relevant studies identified.

**Persistence/Degradability**

No relevant studies identified.

**Bio-accumulation**

No relevant studies identified.

**Ecotoxicity**

The product may be harmful to aquatic organisms.

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**13. DISPOSAL CONSIDERATIONS**

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Dispose of in accordance with all applicable local and national regulations.

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**14. TRANSPORT INFORMATION**

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<b>DOT CFR 172.101 Data</b>	Not Regulated
<b>UN Proper Shipping Name</b>	Not Regulated
<b>UN Class</b>	None.
<b>UN Number</b>	None.
<b>UN Packaging Group</b>	None.
<b>Classification for AIR Transportation (IATA)</b>	Consult current IATA Regulations prior to shipping by air.

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**15. REGULATORY INFORMATION**

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**EU Label Information**

Classification and labelling have been performed according to EU directives 67/548/EEC and 99/45/EC including amendments(2001/60/EC and 2006/8/EC)

**EC Annex I Classification**

According to EC Commission Directive 67/548/EEC this product is not classified.

**R phrases**

None.

**S phrases**

None.

**US REGULATIONS (Federal, State) and INTERNATIONAL CHEMICAL REGISTRATION LAWS****TSCA Listing**

This product contains ingredients that are listed on or exempt from listing on the EPA Toxic Substance Control Act Chemical Inventory.

**EINECS Listing**

All ingredients in this product have not been verified for inclusion on the European Inventory of Existing Commercial Chemical Substances (EINECS) or specifically exempted.

**DSL (Canadian) Listing**

All ingredients in this product have not been verified for inclusion on the Domestic Substance List (DSL).

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**15. REGULATORY INFORMATION**

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**MA Right To Know Law**

This product contains the following chemicals on the Massachusetts Right to Know Law: Titanium Dioxide (13463-67-7) <2% - Aluminum oxide (1344-28-1) < 0.2%

**PA Right To Know Law**

This product contains the following chemicals on the Pennsylvania Hazardous Substance List: Titanium Dioxide (13463-67-7) <2% - Aluminum oxide (1344-28-1) < 0.2%

**NJ Right To Know Law**

This product contains the following chemicals on the New Jersey Workplace Hazardous Substance List: Quartz (14808-60-7) <0.5% – Titanium Dioxide (13463-67-7) <2% - Amorphous Silica (7631-86-9) <0.5% - talc(non fibrous)(14807-96-6) <0.5% - Aluminum oxide (1344-28-1) < 0.2%

**California Proposition 65**

This product contains the following materials which the State of California has found to cause cancer, birth defects or other reproductive harm: Arsenic (7440-38-2) <1ppm – Lead (7439-92-1) <1 ppm

**SARA Title III Sect. 311/312 Categorization**

Immediate (acute) Delayed (chronic)

**SARA Title III Sect. 313**

This product contains the following chemicals that are listed in Section 313 at or above de minimis concentrations: None

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**16. OTHER INFORMATION**

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**NFPA Ratings**

NFPA Code for Flammability - 0  
NFPA Code for Health - 1  
NFPA Code for Reactivity - 0  
NFPA Code for Special Hazards – 0

**HMIS Ratings**

HMIS Code for Flammability - 0  
HMIS Code for Health - 1  
HMIS Code for Reactivity - 0  
HMIS Code for Personal Protection - See Section 8

**Abbreviations**

N/A: Denotes no applicable information found or available  
CAS#: Chemical Abstracts Service Number  
ACGIH: American Conference of Governmental Industrial Hygienists  
OSHA: Occupational Safety and Health Administration  
TLV: Threshold Limit Value  
PEL: Permissible Exposure Limit  
STEL: Short Term Exposure Limit  
NTP: National Toxicology Program  
IARC: International Agency for Research on Cancer  
R: Risk  
S: Safety  
LC50: Lethal Concentration 50%  
LD50: Lethal Dose 50%  
BOD: Biological Oxygen Demand  
KoC: Soil Organic Carbon Partition Coefficient

**For further information email:** [msdstechnical@berryplastics.com](mailto:msdstechnical@berryplastics.com)

**Prepared By:** EnviroNet LLC.

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**16. OTHER INFORMATION**

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The information and recommendations presented in this MSDS are based on sources believed to be accurate. Berry Plastics Corporation, Tapes and Coatings Division assumes no liability for the accuracy or completeness of this information. It is the user's responsibility to determine the suitability of the **material** for their particular purposes. In particular, we make **NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED**, with respect to such information, and we assume no liability resulting from its use. Users should ensure that any use **or disposal** of the material is in accordance with applicable Federal, State, and local laws and regulations.

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