SAFETY DATA SHEET
Polyken 100D, 104C, 105C

1. IDENTIFICATION

Product Name Polyken 100D, 104C, 105C
Recommended use of the chemical and restrictions on use
Identified uses Pressure Sensitive Adhesive
Company Identification Berry Plastics Corporation
25 Forge Parkway
Franklin, MA 02038
Customer Information Number (800) 248-7659 (Monday – Friday 8:00 am to 5:00 pm)
msdstechnical@berryplastics.com
Emergency Telephone Number
Chemtrec Number Within USA and Canada: 1-800-424-9300 CCN22955
Outside USA and Canada: +1 703-741-5970 (collect calls accepted)
Issue Date April 3, 2014
Supersedes Date Polyken 105C – April 10, 2008
Polyken 100D – December 8, 2008
Safety Data Sheet prepared in accordance with OSHA’s Hazard Communication Standard (29 CFR 1910.1200) and the Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

2. HAZARD IDENTIFICATION

Hazard Classification
This product is classified as not hazardous in accordance with the Globally Harmonized System of Classification and Labelling (GHS).

Label Elements
Hazard Symbols
None

Signal Word: None

Hazard Statements
None

Precautionary Statements
Prevention
None
Response
None
Storage
None
Disposal
None
2. HAZARD IDENTIFICATION

Other Hazards
None identified.

Specific Concentration Limits
The values listed below represent the percentages of ingredients of unknown toxicity.

- Acute oral toxicity: 45 - 55%
- Acute dermal toxicity: 45 - 55%
- Acute inhalation toxicity: 85 - 95%
- Acute aquatic toxicity: 90 - 100%

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms:
This product is a mixture.

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS Number</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymers and Resins</td>
<td>N.A.</td>
<td>25 - 35%</td>
</tr>
<tr>
<td>Inorganic Compound(s)</td>
<td>N.A.</td>
<td>10 - 20%</td>
</tr>
<tr>
<td>Distillates (petroleum) Hydrotreated Heavy Naphthenic</td>
<td>64742-52-5</td>
<td>1 - 10%</td>
</tr>
<tr>
<td>Titanium Dioxide</td>
<td>13463-67-7</td>
<td>0.1 - &lt;1%</td>
</tr>
</tbody>
</table>

4. FIRST-AID MEASURES

Description of necessary first-aid measures

- **Eyes**: Immediately flood the eye with plenty of water. Obtain medical attention if symptoms persist.
- **Skin**: Wash skin thoroughly with soap and water. Obtain medical attention if symptoms persist.
- **Ingestion**: Obtain medical attention immediately.
- **Inhalation**: Remove person to fresh air if symptoms occur. Seek medical attention if symptoms persist.

Most important symptoms/effects, acute and delayed
Aside from the information found under Description of necessary first aid measures (above) and Indication of immediate medical attention and special treatment needed, no additional symptoms and effects are anticipated.

Indication of immediate medical attention and special treatment needed

Notes to Physicians
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Water spray, carbon dioxide and dry chemical.
5. **FIRE - FIGHTING MEASURES**

Specific hazards arising from the chemical
May release hazardous vapors during a fire.

Special Protective Actions for Fire-Fighters
Wear full protective clothing and self-contained breathing apparatus.

6. **ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures
Wear appropriate protective clothing.

Environmental Precautions
Prevent the material from entering drains or watercourses.

Methods and materials for containment and cleaning up
Pick up and transfer into suitable containers for recovery or disposal.

7. **HANDLING AND STORAGE**

Precautions for safe handling
Wear appropriate protective clothing.

Conditions for safe storage
Store away from sources of heat or ignition. Storage area should be: cool - dry - well ventilated - out of direct sunlight - away from sources of ignition(heat, sparks, flames, pilot lights) - away from incompatible materials (see Section 10)

8. **EXPOSURE CONTROLS/PERSOANAL PROTECTION**

Control parameters
Exposure limits are listed below, if they exist.

Polymers and resins
None established
Distillates(petroleum) Hydrotreated Heavy Naphthenic as Oil mist, mineral
ACGIH TLV: 5 mg/m³, STEL: 10 mg/m³
Titanium Dioxide
ACGIH TLV: 10 mg/m³ TWA
OSHA PEL: 15 mg/m³ TWA (Total dust)

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

Individual protection measures
Respiratory Protection
Respiratory protection not normally required.
Skin Protection
Not required under normal conditions of use.
Eye/Face Protection
Safety glasses
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Body Protection
Normal work wear.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>Solid: Cloth backing coated on both sides with pressure sensitive adhesive with paper or polymer liner</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>Beige adhesive and white brown or blue liner</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>Slight</td>
</tr>
<tr>
<td><strong>Odor Threshold</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Density (g/yd²)</strong></td>
<td>330 - 390</td>
</tr>
<tr>
<td><strong>Boiling Range/Point (°C/F)</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Melting Point (°C/F)</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Flash Point (PMCC) (°C/F)</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Vapor Pressure</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Evaporation Rate (BuAc=1)</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Solubility in Water</strong></td>
<td>Negligible</td>
</tr>
<tr>
<td><strong>Vapor Density (Air = 1)</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>VOC (%)</strong></td>
<td>0</td>
</tr>
<tr>
<td><strong>Partition coefficient (n-octanol/water)</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Auto-ignition Temperature</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Decomposition Temperature</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Upper explosive limit</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Lower explosive limit</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td>No data available</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Reactivity
Data is not available.

Chemical Stability
Stable under normal conditions.

Possibility of hazardous reactions
Hazardous polymerization will not occur.

Conditions to Avoid
Heat, sparks, flames - high temperatures - contact with incompatible materials

Incompatible Materials
Strong acids - bases - oxidizers

Hazardous Decomposition Products
11. TOXICOLOGICAL INFORMATION

Acute Toxicity
Distillates (petroleum) Hydrotreated Heavy Naphthenic
LD50 Oral (rat) >5000 mg/kg
LD50 Dermal (rabbit) > 2000 mg/kg

Specific Target Organ Toxicity (STOT) – single exposure
Available data indicates this product is not expected to cause target organ effects after a single exposure.

Specific Target Organ Toxicity (STOT) – repeat exposure
Available data indicates this product is not expected to cause target organ effects after repeated exposure.

Serious Eye damage/Irritation
Available data indicates this product is not expected to cause eye irritation.

Skin Corrosion/Irritation
Available data indicates this product is not expected to cause skin irritation.

Respiratory or Skin Sensitization
Distillates (petroleum) Hydrotreated Heavy Naphthenic: Skin sensitization is indicated as non-sensitizing based on data from similar materials.

Carcinogenicity
Titanium Dioxide: IARC Overall Evaluation is 2B (Possibly carcinogenic to humans) IARC evaluation guidelines consider the generation of tumors, in 2 different studies within the same animal species, to be adequate criteria for an assessment of sufficient evidence. The conclusions of several epidemiology studies on more than 20000 TiO$_2$ industry workers in Europe and the USA did not suggest a carcinogenic effect of TiO$_2$ dust on the human lung. Mortality from other chronic diseases, including other respiratory diseases, was also not associated with exposure to TiO$_2$ dust. Based upon these studies, titanium dioxide is not expected to cause lung cancer or chronic respiratory diseases in humans at concentrations experienced in the workplace.

Germ Cell Mutagenicity
Distillates (petroleum) Hydrotreated Heavy Naphthenic: Non-mutagenic and has negative potential for tumor development based on results from Modified Ames Assay.

Reproductive Toxicity
Distillates (petroleum) Hydrotreated Heavy Naphthenic: No data available

Aspiration Hazard
Not an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity
No relevant studies identified.

Mobility in soil
No relevant studies identified.

Persistence/ Degradability
No relevant studies identified.
12. ECOLOGICAL INFORMATION

Bioaccumulative Potential
No relevant studies identified.

Other adverse effects
No relevant studies identified.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

DOT CFR 172.101 Data
Not Regulated

UN Proper Shipping Name
Not Regulated

UN Class
None

UN Number
None

UN Packaging Group
None

Classification for AIR
Consult current IATA Regulations prior to shipping by air.

Environmental Hazards
Not a marine pollutant

15. REGULATORY INFORMATION

United States TSCA Inventory
All components of this product are in compliance or are exempt from inventory listing requirements of the US Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

Canada DSL Inventory
All components of this product have not been verified for inclusion or are exempt from listing on the Domestic Substance List (DSL).

WHMIS Classification
None
This product was classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations and the MSDS contains all the information required by these regulations.

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: None

SARA Title III Sect. 311/312 Categorization
None

SARA Title III Sect. 313
This product does not contain any chemicals listed in Section 313 at or above de minimis concentrations.
16. OTHER INFORMATION

NFPA Ratings
NFPA Code for Flammability - 0
NFPA Code for Health - 0
NFPA Code for Reactivity - 0
NFPA Code for Special Hazards – None

HMIS Ratings
HMIS Code for Flammability - 0
HMIS Code for Health - 0
HMIS Code for Physical Hazard - 0
HMIS Code for Personal Protection - See Section 8
*Chronic

Legend
ACGIH: American Conference of Governmental Industrial Hygienists
CAS: Chemical Abstracts Service
IARC: International Agency for Research on Cancer
N/A: Denotes no applicable information found or available
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration
PEL: Permissible Exposure Limit
SDS: Safety Data Sheet
STEL: Short Term Exposure Limit
TLV: Threshold Limit Value

Information Source and References
This SDS is prepared by Hazard Communication Specialists based on information provided by internal company references.

Prepared By: EnviroNet LLC.

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