

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

Product Name Polyken 345SW
Product Description 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:
MSDS Date: August 1, 2011
Safety Data Sheet according to EC directive 2001/59/EC and OSHA's Hazcom Standard (29 CFR 1910.1200)

2. HAZARDS IDENTIFICATION

EU Main Hazards Not classified as hazardous.
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Routes of Entry
 Inhalation - Skin contact

Carcinogenic Status
 See section 11.

Target Organs
 Skin – Reproductive System

Health Effects - Eyes
 Contact may cause irritation due to mechanical abrasion.

Health Effects - Skin
 Prolonged, repeated contact with adhesive may cause irritation and skin sensitization. Material can be absorbed through the skin and repeated, prolonged contact may cause adverse reproductive effects.

Health Effects - Ingestion
 Not an expected route of entry during normal handling and use.

Health Effects - Inhalation
 Prolonged, repeated inhalation of adhesive may cause dizziness, drowsiness and adverse reproductive effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	CAS#/Codes	Concentration	R Phrases	Classification
Acrylic Polymer	N.A.	N.A.	None	None
Total Residual Solvent*	N.A.	≤1.25 %	N.A.	N.A.

* Total residual solvent may be any combination of the following: ethyl acetate, n-heptane, isopropanol, toluene, vinyl acetate monomer, 2-ethylhexyl Acrylate, benzene, acetaldehyde, acetone and methanol.

4. FIRST AID MEASURES

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.

5. FIRE - FIGHTING MEASURES

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.

6. ACCIDENTAL RELEASE MEASURES

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

7. HANDLING AND STORAGE

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Standards

Exposure limits are listed below, if they exist.

Acrylic polymer

None established

Ethyl acetate

ACGIH: TLV 400 ppm 8h TWA.

OSHA: PEL 400ppm (1400 mg/m³) 8h TWA

Heptane, all isomers

ACGIH: TLV 400 ppm 8h TWA. 500 ppm 15-min STEL

OSHA: PEL 500ppm (2000 mg/m³) 8h TWA

Isopropanol

ACGIH: TLV 200 ppm 8h TWA. 400 ppm 15-min STEL

OSHA: PEL 400ppm (980 mg/m³) 8h TWA

Toluene

ACGIH: TLV 20 ppm 8hTWA.

OSHA: PEL 200 ppm 8h TWA , Ceiling (C) 300 ppm, 500ppm 10-min peak per 8-hr shift

Vinyl acetate

ACGIH: TLV 10 ppm 8h TWA. 15 ppm 15-min STEL

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

2-ethylhexyl acrylate

None established

Benzene

ACGIH: TLV 0.5 ppm 8h TWA. 2.5 ppm 15-min STEL, skin

OSHA: PEL 10 ppm 8h TWA Ceiling (C) 25 ppm, 50 ppm 10-min peak per 8-hr shift

Acetaldehyde

ACGIH: 25 ppm Ceiling exposure limit

OSHA: PEL 200ppm (360 mg/m³) 8h TWA

Methanol

ACGIH: TLV 200 ppm 8h TWA. 250 ppm 15-min STEL, skin

OSHA: PEL 200ppm (260 mg/m³) 8h TWA

Acetone

ACGIH: TLV 500 ppm 8h TWA. 750 ppm 15-min STEL

OSHA: PEL 1000 ppm (2400 mg/m³) 8h TWA

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.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Polymer adhesive coated on foil.
Color	Silver backing with clear adhesive
Odor	Slight solvent
pH	Not applicable
Specific Gravity	No data available
Boiling Range/Point (°C/F)	Not applicable
Melting Point (°C/F)	Not applicable
Flash Point (PMCC) (°C/F)	>93.3/200
Explosion Limits (%)	No data available
Vapor Pressure	Not applicable
Density	No data.
Solubility in Water	Not known
Vapor Density (Air = 1)	Not applicable

10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

Conditions to Avoid

Heat - High temperatures

10. STABILITY AND REACTIVITY

Materials to Avoid

Oxidizing agents

Hazardous Polymerization

Will not occur.

Hazardous Decomposition Products

Oxides of carbon

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

No relevant studies identified.

Specific Target Organ Systemic Toxicity (single and repeat)

No relevant studies identified.

Serious Eye damage/Eye Irritation

May cause irritation due to mechanical abrasion.

Skin Corrosion/Irritation

May cause irritation on prolonged, repeated contact.

Respiratory or Skin Sensitization

Residual solvents (2-ethylhexyl acrylate, vinyl acetate and acetaldehyde) may cause skin sensitization.

Carcinogenicity

Residual solvents (benzene, acetaldehyde and vinyl acetate) are considered carcinogenic by IARC, NTP or OSHA.

Germ Cell Mutagenicity

No relevant studies identified.

Toxicity to Reproduction

Residual solvent: Toluene: In laboratory studies, birth defects, increased fetal lethality and delayed fetal development have been observed in offspring of female animals exposed during pregnancy. Toluene has been demonstrated to be embryofetotoxic and teratogenic in laboratory animals.

12. ECOLOGICAL INFORMATION

Mobility

No relevant studies identified.

Persistence/Degradability

No relevant studies identified.

Bio-accumulation

No relevant studies identified.

Ecotoxicity

No relevant studies identified.

13. DISPOSAL CONSIDERATIONS

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.

14. TRANSPORT INFORMATION

**Classification for AIR
Transportation (IATA)**

Consult current IATA Regulations prior to shipping by air.

15. REGULATORY INFORMATION

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 been verified for listing or exempt from listing on the European Inventory of Existing Commercial Chemical Substances (EINECS).

DSL (Canadian) Listing

All ingredients in this product have been verified for listing or exempt from listing on the Domestic Substance List (DSL).

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: toluene , benzene, acetaldehyde

SARA Title III Sect. 311/312 Categorization

Immediate (acute) Delayed (chronic)

SARA Title III Sect. 313

This product may contain the following chemicals that are listed in Section 313 at or above de minimis concentrations: toluene, benzene, acetaldehyde, methanol and vinyl acetate.

16. OTHER INFORMATION

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

16. OTHER INFORMATION

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
LC50: Lethal Concentration 50%
LD50: Lethal Dose 50%
BOD: Biological Oxygen Demand
KoC: Soil Organic Carbon Partition Coefficient

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