

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

Product Name Polyken 296FR
Product Description Pressure Sensitive Adhesive Tape
Manufacturer/Supplier Berry Plastics Corporation
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: May 6, 2013
MSDS Date: November 13, 2006

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.

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 allergic 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 resins and polymers	N.A.	40 - 50%	None	None
Antimony Trioxide	1309-64-4/ 215-175-0	5 - 10%	R40	Xn,Carc.Cat.3
Hexane	110-54-3 203-777-6	0.1 - <1%	None @ <2.5%	None @ <2.5%
Toluene	108-88-3 203-625-9	0.1 - <1%	R11, R38, R48/20, R63, R65, R67	F, Xn, Repro Cat. 3

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	CAS#/Codes	Concentration	R Phrases	Classification
Long chain chlorinated paraffin	63449-39-8/ 264-150-0	5 – 10%	None	None

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.

Antimony Trioxide, (as Sb)

ACGIH TLV: 0.5 mg/m³ TWA

OSHA PEL: 0.5 mg/m³ TWA

Toluene

ACGIH: TLV 20 ppm (75mg/m³) 8hTWA.

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

Hexane

ACGIH: TLV 50ppm (176mg/m³) 8h TWA. (skin)

OSHA: PEL 500ppm (1800mg/m³) 8h TWA.

Can be absorbed through skin.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Acrylic Resins and Polymers

None established

Long chain chlorinated paraffin

None established

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	Tie coated fiberglass flame retardant pressure sensitive adhesive with a polyethylene liner
Color	Off white backing with beige 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)	Not known
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

Materials to Avoid

Acids – bases - oxidizers

Hazardous Polymerization

Will not occur.

Hazardous Decomposition Products

Oxides of carbon – hydrocarbons – aldehydes – benzene- antimony – antimony oxide –hydrogen chloride - smoke – fumes – oxides of nitrogen – acrolein – waxes - oligomers

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Toluene: Oral LD50 rat >2,000 mg/kg

Dermal LD50 rabbit >3,000 mg/kg

Inhalation LC50(rat) 28.1 mg/l 4hr

Antimony Oxide: Oral LD50 (rat) >34600 mg/kg. Dermal LD50 (rabbit) >2000 mg/kg

Long chain chlorinated paraffin: Oral LD50 (rat) 21600 mg/kg

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

No relevant studies identified.

Respiratory or Skin Sensitization

May cause allergic skin sensitization.

Carcinogenicity

Antimony Oxide is classified by IARC: Group 2B possible human carcinogen. When encapsulated in the adhesive matrix the risk of exposure is reduced.

Germ Cell Mutagenicity

Toluene: Negative Ames Test with and without metabolic activation.

Toxicity to Reproduction

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.

Hexane: In animal studies permanent testicular damage has been observed. However, when hexane was administered simultaneously with an equal amount of toluene this effect was not observed.

12. ECOLOGICAL INFORMATION

Mobility

No relevant studies identified.

Persistence/Degradability

No relevant studies identified.

Bio-accumulation

No relevant studies identified.

Ecotoxicity

Toluene: EC50 Fathead minnow 96hr 34mg/l

EC50 Daphnia magna 48hr 11.5 mg/l

EC50 Algae (Selenastrum capricornutum) 433 mg/l 96 hr

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.

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

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 are listed on the European Inventory of Existing Commercial Chemical Substances (EINECS) or are exempt from listing.

DSL (Canadian) Listing

All ingredients in this product are listed on 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(108-88-3) - Antimony trioxide (1309-64-4) - Benzene (71-43-2) trace - Arsenic (7440-38-2) trace - Acetaldehyde (75-07-0) trace - Lead (7439-92-1) - Ethylbenzene (100-41-4) trace

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: Antimony trioxide (1309-64-4)

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 Physical Hazard - 0

HMIS Code for Personal Protection - See Section 8

* Chronic

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

16. OTHER INFORMATION

Abbreviations (continued)

NTP: National Toxicology Program

IARC: International Agency for Research on Cancer

R: Risk

R11: Highly Flammable

R38: Irritating to skin.

R40: Limited evidence of a carcinogenic effect.

R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R36: Irritating to eyes.

R63: Possible risk of harm to the unborn child.

R65: Harmful: may cause lung damage if swallowed.

R67: Vapours may cause drowsiness and dizziness.

F: Highly Flammable

Xn: Harmful

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**Prepared By:** EnviroNet LLC.

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