

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

Product Name Polyken 290 FR
Product Description Rubber 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:
MSDS Date: April 7, 2008
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

Skin contact

Carcinogenic Status

See section 11.

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 an expected route of entry during normal handling and use.

3. COMPOSITION/INFORMATION ON THE COMPONENTS

Component Name	CAS#/Codes	Concentration	R Phrases	Classification
Polymers and Resins	N.A.	<30%	None	None
Inorganic Compound(s)	N.A.	<10%	None	None
Antimony Trioxide	1309-64-4/ 215-175-0	<5%	R40	Xn, Carc. Cat. 3
Titanium Dioxide	13463-67-7 236-675-5	<1%	None	None
Decabromodiphenyl oxide	1163-19-5/ 214-604-9	<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

Can 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. Exposure to high heat or flame can release irritating and toxic fumes. 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.

Polymers and Resins

None established

Inorganic Compound(s)

None established

Antimony Trioxide, (as Sb)

ACGIH TLV: 0.5 mg/m³ TWA

OSHA PEL: 0.5 mg/m³ TWA

Titanium Dioxide

ACGIH TLV: 10 mg/m³ TWA

OSHA PEL: 15 mg/m³ TWA (Total dust)

Decabromodiphenyl oxide

None established

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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	Cloth backing with a rubber based pressure sensitive adhesive
Color	White backing with cream adhesive
Odor	Slight
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 – strong oxidizers

Hazardous Polymerization

Will not occur.

Hazardous Decomposition Products

– oxides of carbon – hydrogen chloride – oxides of antimony – hydrogen bromide – bromine

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Antimony Trioxide: LD50 oral (rat): >34600 mg/kg

Decabromodiphenyl oxide: LD50 oral (rat): >5000mg/kg

11. TOXICOLOGICAL INFORMATION

Chronic Toxicity/Carcinogenicity

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

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

Genotoxicity

This product is not expected to cause any mutagenic effects.

Reproductive/Developmental Toxicity

This product is not expected to cause adverse reproductive effects.

12. ECOLOGICAL INFORMATION

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.

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 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.

15. **REGULATORY INFORMATION**

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 been verified for inclusion on the Domestic Substance List (DSL).

MA Right To Know Law

This product contains the following chemicals on the Massachusetts Right to Know Law: Titanium Dioxide (13463-67-7) <1% - Antimony Trioxide(1309-64-4) <5% - Arsenic (7440-38-2) <0.01% - Decabromodiphenyl oxide (1163-19-5) <5%

PA Right To Know Law

This product contains the following chemicals on the Pennsylvania Hazardous Substance List: Antimony Trioxide(1309-64-4) < 5% - Zinc Oxide (1314-13-2) < 1% - Decabromodiphenyl Oxide (1163-19-5) <5% - Aluminum Oxide (1344-28-1) <0.06%

NJ Right To Know Law

This product contains the following chemicals on the New Jersey Workplace Hazardous Substance List: Titanium Dioxide (13463-67-7) <1% - Antimony Trioxide(1309-64-4) < 5% - Zinc Oxide (1314-13-2) < 1% - Decabromodiphenyl Oxide (1163-19-5) <5% - Dibutyltin Maleate (78-04-06) <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) <0.01% - Antimony Trioxide(1309-64-4) <5% - Lead (7439-92-1) < 0.01%

SARA Title III Sect. 311/312 Categorization

Immediate (acute)

SARA Title III Sect. 313

This product contains the following chemicals that are listed in Section 313 at or above de minimis concentrations: Antimony Oxide (1309-64-4) <5% - Decabromodiphenyl Oxide (1163-19-5) <5%

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

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
R40: Limited evidence of a carcinogenic effect.

16. OTHER INFORMATION

Abbreviations

Xn: Harmful

Carcinogen Category 3: Substances which cause concern for man owing to possible carcinogenic effects but in respect of which the available information is not adequate for making a satisfactory assessment.

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%

BOD: Biological Oxygen Demand

KoC: Soil Organic Carbon Partition Coefficient

R40: Limited evidence of a carcinogenic effect.

Xn: Harmful

For further information email: msdstechnical@berryplastics.com

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