

MATERIAL SAFETY DATA SHEET

Polyken 939

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

Product Name Polyken 939
Product Description 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 3, 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
 R45 May cause cancer

Routes of Entry

Skin contact

Carcinogenic Status

See Section 11 for information.

Target Organs

- Skin

Health Effects - Eyes

Contact may cause irritation.

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 INGREDIENTS

Component Name	CAS#/Codes	Concentration	R Phrases	Classification
Polymers and Resins	N.A.	<70%	None	None
Distillates(petroleum)Hydrotreated Light Naphthenic	64742-53-6 265-156-6	<20%	None	None
Distillates(petroleum)Hydrotreated Heavy Naphthenic	64742-52-5 265-155-0	<10%	R45	T, Carc. Cat. 2
Kaolin Clay	1332-58-7 310-19-4	<15%	None	None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	CAS#/Codes	Concentration	R Phrases	Classification
Carbon Black	1333-86-4 215-609-9	>0.1%	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

Scoop up and place in appropriate container for disposal. 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.

Polymers & Resins

None established

Distillates(petroleum)Hydrotreated Light Naphthenic as Oil mist, mineral

ACGIH TLV: 5 mg/m³, STEL: 10 mg/m³

Distillates(petroleum)Hydrotreated Heavy Naphthenic as Oil mist, mineral

ACGIH TLV: 5 mg/m³, STEL: 10 mg/m³

Kaolin Clay

8hr TWA: 2mg/m³, measured as respirable fraction of aerosol

OSHA PEL: 15mg/m³ total dust, 5mg/m³ respirable fraction

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Carbon Black

OSHA and ACGIH TLV: 3.5 mg/m³

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	Solid adhesive
Color	Black
Odor	Slight
pH	Not applicable
Density	~ 1.2 g/cc
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

Strong oxidizers

Hazardous Polymerization

Will not occur.

Hazardous Decomposition Products

- oxides of carbon – smoke

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Low order of acute toxicity.

11. TOXICOLOGICAL INFORMATION

Chronic Toxicity/Carcinogenicity

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

Heavy hydrotreated Naphthenic Distillate (petroleum) is classified by the European Union as a Category 2 Carcinogen: Substances which should be regarded as if they are carcinogenic to man.

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

T: Toxic

Carcinogen Category 2

R phrases

R45 May cause cancer

S phrases

S45 In case of accident or if you feel unwell, seek medical advice immediately.

S53 Avoid exposure - obtain special instructions before use.

15. REGULATORY INFORMATION

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 listing on the European Inventory of Existing Commercial Chemical Substances (EINECS).

DSL (Canadian) Listing

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

MA Right To Know Law

This product contains the following chemicals on the Massachusetts Right to Know Law: Distillates (petroleum) Hydrotreated Light Naphthenic (64742-53-6)

PA Right To Know Law

This product contains the following chemicals on the Pennsylvania Hazardous Substance List: Distillates (petroleum) Hydrotreated Heavy Naphthenic (64742-52-5) – Distillates (petroleum) Hydrotreated Light Naphthenic (64742-53-6) - Kaolin Clay (1332-58-7) - Carbon Black (1333-86-4)

NJ Right To Know Law

This product contains the following chemicals on the New Jersey Workplace Hazardous Substance List: Carbon Black (1333-86-4) - Mica (12001-26-2) <1% - Distillates (petroleum) Hydrotreated Heavy Naphthenic (64742-52-5) – Distillates (petroleum) Hydrotreated Light Naphthenic (64742-53-6)

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) <60ppm

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: None

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

16. OTHER INFORMATION

Abbreviations

R: Risk

S: Safety

T: Toxic

R45: May cause cancer.

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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