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Material Safety Data Sheet K-100 Latex - Black

Section 1 Name

- **Product:** K-100 Polyisoprene Rubber - Black
- **Chemical Name:** 1, 3 Butadiene, 2-Methyl, Homopolymer

Section 2 Hazardous Ingredients / Identity Information

Hazardous Components: None

Based upon data available to Kent Elastomer Products, this product is not hazardous under OSHA hazard communication (29 CFR 1910.1200).

Nonhazardous Components:

Natural Rubber Latex	90 - 95%
Carbon Black	0.1 - 7%
Vulcanizing Agents	3 - 5%

Section 3 Health Information

The health effects noted below are consistent with requirements under the OSHA hazard communication standard (29 CFR 1910.1200).

- **Eye Contact - N/A**
- **Skin Contact - Refer to Signs and Symptoms**
- **Inhalation - N/A**
- **Ingestion - Will not break down in the digestive system. All ingredients in this product meet FDA 177-26 rubber articles for food contact.**
- **Signs and Symptoms - Niosh Alert No. 97-135, June 1997: Workers exposed to latex gloves and other products containing natural rubber latex may develop allergic reactions such as skin rashes, hives, nasal, eye, or sinus symptoms, asthma, and (rarely) shock.**
- **Aggravated Medical Conditions - Persons allergic to fruits or persons with spina bifida may be allergic to natural rubber.**

Section 4 Occupational Exposure Limits

None established.

Section 5 Emergency and First Aid Procedures

- **Eye Contact** - Refer to Section 3 and contact a physician. Flush with water if irritation occurs.
- **Skin Contact** - Refer to Section 3 and contact a physician. Flush with water if irritation occurs.
- **Inhalation** - Refer to Section 3 and contact a physician.
- **Ingestion** - Refer to Section 3 and contact a physician.

Section 6 Supplemental Health Information

September 1998: FDA label law required labeling of medical devices with natural rubber latex in them. The warning reads; "Caution: This product contains natural rubber latex which may cause allergic reaction."

Section 7 Physical Data

- **Boiling Point** - NA
- **Specific Gravity** - .923
- **Melting Point** - NA
- **Evaporation Rate** - NA
- **Solubility** - Not soluble in water.
- **Vapor Pressure** - NA
- **Vapor Density** - NA
- **Appearance and Odor** - Solid, black or colored, rubber odor.

Section 8 Fire and Explosion Hazards

- **Flash Point and Method** - NA
- **Flammable Limits / % Volume in Air** - N/A
- **Extinguishing media** - Use dry chemical CO₂ or foam or water.
- **Special Fire Fighting Procedures** - Over exposure to thermal decomposition products may cause health hazard. An approved self-contained breathing apparatus should be worn.

Section 9 Reactivity

- **Stability** - Stable
- **Hazardous Polymerization** - Will not occur.
- **Conditions to Avoid** - Avoid contact with flames or excessive heat. Will produce oxides of carbon when burned.
- **Hazardous Decomposition Products** - N/A

Section 10 Employee Protection

- **Respiratory Protection** - N/A
- **Protective Clothing** - N/A
- **Additional Protective Measures** - None

Section 11 Environmental Protection

- **Spill or Leak Procedure** - N/A
- **Waste Disposal** - Place in an appropriate waste disposal facility in compliance with local regulations.

Section 12 Special Precautions

- Avoid flames. When exposed to flame, emits acrid fumes (sulfur dioxide and carbon monoxide).

Section 13 Transportation Requirements

- Department of Transportation Classification - N/A

Section 14 Other Regulatory Controls

The components of this product may be listed on "Proposition 65."

The information contained herein is based on the data available to us and is believed to be correct; however, Kent Elastomer Products makes no warranty, expressed or implied, regarding the accuracy of this data or the results to be obtained from the use thereof. Kent Elastomer Products assumes no responsibility for injury from the use of the product described herein.

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MATERIAL SAFETY DATA SHEET

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SECTION I – PRODUCT IDENTIFICATION

Manufacturer: STEVENS EXTRUDED PRODUCTS GROUP
 Hampshire Plant
 412 Main Street
 Easthampton, MA 01027

Information Phone: 413-779-1242
 Emergency Phone: 413-779-1285
 CHEMTREC Phone: 800-424-9300
 in Washington D.C. or International Phone: 202-483-7616

Product Class: Thermoplastic Polyurethane
 Trade Name : SS-polyester and ST-polyether thermoplastic polyurethanes
 Product Code:
 C.A.S. Number: N/A
 D.O.T. Hazard Class: N/A
 Proper Shipping Name: N/A
 Technical Name: N/A

! Hazard Ratings: Health – 1
 ! none → extreme Fire – 1
 ! 0 → 4 Reactivity – 0
 Personal Protection – none

SECTION II – HAZARDOUS INGREDIENTS

Ingredients	CAS#	Weight %	Exposure Limits		VP mmHG
			ACGIH/TLV	OSHA/PEL	
NONE	MIXTURE	100%	N/A	N/A	

SECTION III – PHYSICAL DATA

Boiling Range: N/A
 Vapor Rate: N/A
 Appearance: Elastomeric sheets, films, tubing and profiles,
 Various Colors

Vapor Density: N/A
 Liquid Density: N/A
 Spec. Gravity: >1.0

SECTION IV – FIRE AND EXPLOSION HAZARD DANGER

Flash Point (D1929-CC): greater than 390 degrees C (740 degrees F) Flammable Limits: LEL: N/A UEL: N/A

- EXTINGUISHING MEDIA
Water, ABC dry chemicals, protein air foam
- SPECIAL FIREFIGHTING PROCEDURES
Wear NIOSH approved self-contained breathing apparatus by trained personnel.
- UNUSUAL FIRE & EXPLOSION HAZARDS
These polymers are combustibile when forced to burn and may emit toxic odors.

SECTION V – HEALTH HAZARD DATA

- PERMISSIBLE EXPOSURE LEVEL: See Section II.
- PRIMARY ROUTES OF EXPOSURE: are processing vapors by inhalation; neither skin nor ingestion are known to be routes of exposure
- EFFECTS OF OVEREXPOSURE
ACUTE: heat processing at or above the decomposition point may release the products discussed in Section Six including the isocyanate MDI which may result in irritation of the respiratory tract and eyes, chest tightness, coughing, headache, and dyspnea. Sensitization with subsequent asthma-like attacks may follow.

CHRONIC:

Carcinogenicity: NTP?: No IARC Monographs?: No OSHA Regulated?: No

Signs and Symptoms of Exposure: processing vapors above the melting point may cause irritation of respiratory tract, eyes, and skin; processing temperatures at or above the decomposition point may release products including MDI which may cause irritation of the respiratory tract, eyes, skin, chest tightness, coughing, headache, and dyspnea.

Medical Conditions Generally Aggravated by Exposure: none known

Emergency and First Aid Procedures:

- INHALATION: of vapors, remove to fresh air. If breathing has stopped, restore breathing and get medical attention.
- SKIN CONTACT: if hot molten polyurethane contacts skin, flush immediately with water and seek medical attention for thermal burn.
- EYE CONTACT: Flush with water for at least 15 minutes. If irritation develops or persists consult a physician.

SECTION VI – REACTIVITY DATA

STABILITY: [] Unstable [] Stable

HAZARDOUS POLYMERIZATION: [] May occur [] Will not occur

- INCOMPATIBILITY:
None known
- CONDITIONS TO AVOID:
None known, but avoid heating to temperatures above 250 degrees C.
- SPECIFIC HAZARDS:
Carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, aliphatic and aromatic hydrocarbons, including MDI (methylene bisphenyl isocyanate) may be created during incomplete combustion.

SECTION VII – SPILL OR LEAK PROCEDURES

- STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Sweep up and place in properly marked container.
- WASTE DISPOSAL METHOD
Dispose of in accordance with all local, state and federal regulations.
- Other Precautions:
None known

SECTION VIII – SPECIAL PROTECTION INFORMATION

- RESPIRATORY PROTECTION
For processing above the melting point, NIOSH approved, supplied air respirators should be used not required for normal ambient use.
- VENTILATION
Local Exhaust: when melt processing to remove vapors exhaust hoods should maintain a minimum of 100 fpm face velocity.
- PROTECTIVE GLOVES
Recommended when handling hot product
- EYE PROTECTION
Safety glasses or face shield
- OTHER PROTECTIVE EQUIPMENT
Use impermeable clothing whenever possible to prevent skin contact
- Work/HYGENIC PRATICES
Maintain good personal hygiene as standard good work practice

SECTION IX – REGULATORY INFORMATION

- SARA TITLE III SECTION 313
Not applicable based on article exemption
- PROPOSITION 65
WARNING: SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER: None
- PROPOSITION 65
WARING: SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM: None

SECTION X – DISCLAIMER

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of JPS Elastomerics. The data on this sheet relates only to the specific material designated herein. JPS Elastomerics assumes no legal responsibility for use or reliance upon these data.
