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## MATERIAL SAFETY DATA SHEET

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### Section 1: IDENTIFICATION OF THE MATERIAL

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**Product name:** Spiral Binding Black

**Part number:** SB3BK, SB6BK, SB12BK, SB16BK, SB20BK, SBK3BK, SBK6BK,  
SBK12BK, SBK16BK, SBK29BK, SB6BK-400, SB12BK-150

**Other names:** Low Density Polyethylene - LDPE2420D

**Recommended use:** Wrap around bundles of wires to make neat looms and protect the  
conductors

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### Section 2: HAZARD IDENTIFICATION

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Non- hazardous substance at temperature below the melting point as determined in issue  
Section 9

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### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

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**Mixture of Components:**

Chemical Identity	Proportion %	CAS number
Polyethylene	>99	9002-88-4
Additives	<1.0	-

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### Section 4: FIRST AID MEASURES

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**If Ingested:** Do not induce vomiting, consult a physician immediately

**If in eyes:** Immediately flush eyes wot plenty of water for several minutes. Be sure to  
remove any contact lens. Get medical attention if irritations persist

**If on skin:** Wash skin with soap and water. Quickly remove contaminated cloth or shoes.  
Obtain medical if irritation occurs.

**If inhaled:** Remove to fresh air. If patient is not breathing or breathing irregular, provide  
artificial respiration or oxygen. Obtain medical attention by physician if symptoms persist.

**Notes to physician:** No specific treatment. Treat symptomatically.

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**Section 5: FIRE FIGHTING MEASURES**

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**Suitable Extinguishing media:** Water haze, Foam, Chemical powder

**Hazards from Combustion Products:** Decomposition product may include carbon dioxide. Normally combustion forms water vapor and may produce carbon monoxide and other hydrocarbons. The products of the burning are dangerous.

**Special protective equipment:** Use personal protective equipment or self-contained breathing apparatus (SCBA) when fighting fires in enclosed areas of confined room.

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**Section 6: ACCIDENTAL RELEASE MEASURES**

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**Emergency Procedures:** Eliminate all sources of ignition in vicinity of spilled material. Wear appropriate personal protective equipment when cleaning up spills'

**Methods and Materials for containment and clean up:** Sweep up or vacuum split materials and place in a designated place, labeled waste container. Avoid dispersal of split materials to natural waters, soil or sewers. Contact licensed waste disposal contractor to dispose.

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**Section 7: HANDLING AND STORAGE**

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**Precautions for safe handling:** Use good housekeeping for safe handling of the product. No smoking, drinking or eating in handling and store area. Avoid spilling the product, as this might cause falls. Potential toxic/irritating fumes may be evolved from heated material. Provide appropriate ventilation for such processing conditions. Take precautionary measures against explosion risks, as all types of polymers may develop dust during transporting or grinding of granules.

**Conditions for safe storage, including any incompatibilities:** Protect from heat and direct sunlight in a dry, cool and well-ventilated area. Take precautionary measures to prevent the formation of static electricity. Do not store together with oxidizing and self-igniting products.

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**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**EXPOSURE LIMITS:**

No exposure limits value known.

**EXPOSURE CONTROLS**

**Respiratory Protection:** Product processing, heat sealing of film or operations Involving the use of wires or blades heated above 300°C may produce dust, vapour or fumes. To minimize risk of overexposure to dust, vapour or fumes it is recommended that a local exhaust system is placed above the equipment, and that the working area is properly ventilated. If ventilation is inadequate, use certified respirator that will protect against dust/mist.

**Skin and Body Protection:** Hot material: Wear heat-resistant protective gloves, clothing and face shield able to withstand the temperature of the molten product. Cold material: None required; however, use of gloves is good industrial practice.

**Hand Protection:**

Hot material: Wear heat-resistant protective gloves able to withstand the temperature of the molten product.

Cold material: None required; however, use of gloves is good industrial practice.

**Eyes Protection:** Safety glasses with side shields. Use dust goggles if high dust concentration is generated.

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**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

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**PHYSICAL STATE:** Solid (Pellet Form)

**ODOR:** Paraffin-like

**COLOR:** Off-white

**MELTING POINT:** 100 to 120 °C

**BOILING POINT:** Non allocated

**FLASH POINT:** Not applicable

**VAPOR PRESSURE:** Not applicable

**DENSITY:** 0.918 – 0.927 g/cm<sup>3</sup>

**AUTO-IGNITION TEMPERATURE:** 350°C approx.

**EXPLOSIVE PROPERTIES:** High dust concentrations have a potential for sparking or explosion

**WATER SOLUBILITY:** Negligible

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**Section 10: STABILITY AND REACTIVITY**

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**CHEMICAL STABILITY:** Stability; under normal conditions of storage and use.

**CONDITIONS TO AVOID:** Not applicable

**INCOMPATIBILITY MATERIALS:** Incompatibility; to avoid strong oxidizing agents such as chlorates, nitrates, peroxides, etc.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Will not occur; under normal conditions of storage and use.

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**Section 11: TOXICOLOGICAL INFORMATION**

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**PRIMARY IRRITANT EFFECT**

**Skin:** No irritant effect.

**Eyes:** No irritant effect.

**Sensitization:** No sensitizing effect known.

**ADDITIONAL TOXICOLOGICAL INFORMATION**

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

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**Section 12: ECOLOGICAL INFORMATION**

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**TOXICITY**

The product is not toxic, small particles can have physical effects on water and soil organisms.

**PERSISTENCE AND DEGRADABILITY**

This product is not biodegradable.

**OTHER ADVERSE EFFECTS**

No know significant effects or critical hazards.

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**Section 13: DISPOSAL CONSIDERATION**

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**WASTE TREATMENT METHODS**

Recycle to process, if possible. Avoid contact of spilled material and runoff with soil and surface waterways. Consult an environmental professional to determine if local, regional or national regulations would classify spilled or contaminated materials as hazardous waste. Use only approved transporters, recyclers, and treatment, storage or disposal facilities. Dispose of in accordance with all applicable local and national regulations.

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**Section 14: TRANSPORT INFORMATION**

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According to national and international guidelines, which regulate the road-, rail-, air- and sea transport, this product is classified as not dangerous.

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**Section 15: REGULATORY INFORMATION**

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**PACKAGING AND LABELLING INVENTORIES:**

No special requirement.  
Australian Inventory (AICS).  
Canada Inventory (DSL).  
China Inventory (IECS).  
EC Inventory (EINECS).  
Japan Inventory (ENCS).  
Korea Inventory (ECL).

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**Section 16: OTHER INFORMATION**

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**Date of Preparation/last Revision of the MSDS : September 2015**

New Zealand Emergency Telephone: 111  
New Zealand National Poisons Centre Telephone: 0800 POISON (0800 764 766)

The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and to develop work practice procedures for a safe work environment.

**DISCLAIMER:** The information contained herein, is to the best of our knowledge and belief; accurate. However, because the condition of handling and use are beyond our control, **we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all federal, state and local laws and regulations.**