

3M United Kingdom PLC.
3M House, PO Box 1,
Bracknell, Berkshire, RG12 1JU.

Switchboard: Bracknell (01344) 858000
Facsimile: Bracknell (01344) 858278 Telex: 849371
Telegraphic Address: Minnesota Bracknell

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3M

3M UK PLC
3M HOUSE, PO BOX 1, MARKET PLACE,
BRACKNELL, BERKSHIRE RG12 1JU
Tel: 01344 858000

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MATERIAL SAFETY DATA SHEET

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: : 1

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Tradename:
Scotch (TM) Electrical Tape 23

3M Product ID:

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name and classification	CAS number	Percentage
SYNTHETIC RUBBER (POLYBUTENE)	---	
SYNTHETIC RUBBER (ETHYLENE PROPYLENE)	---	
POLYPROPYLENE	---	
ALIPHATIC PETROLEUM RESIN	---	
MODIFIED WOOD ROSIN	---	
BINDER	---	
FILLER	---	
TOTAL OF THE ABOVE	---	70.0 - 75.0
TALC (BOUND)	14807-96-6	
CARBON BLACK (BOUND)	1333-86-4	
TOTAL OF THE ABOVE	---	25.0 - 30.0
POLYPROPYLENE RELEASE LINER	---	

3 HAZARDS IDENTIFICATION

Critical hazards:
Not applicable

4 FIRST-AID MEASURES

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Eye Contact:

No need for first aid is anticipated in the event of eye contact.

Skin Contact:

No need for first aid is anticipated in the event of skin contact.

Inhalation:

No need for first aid is anticipated.

Ingestion:

Drink two glasses of water. Call a medical doctor.

5 FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Carbon dioxide, Dry chemical. Alcohol-type foam.

Hazardous Decomposition:

Carbon Monoxide and Carbon Dioxide, Aldehydes. Hydrocarbons.

Fire-Fighting Procedures:

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, tunic and trousers (leggings), bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Methods for Cleaning up:
Not applicable

7 HANDLING AND STORAGE

Precautions for Safe Storage:

Not applicable.

Fire Prevention:

Not applicable.

Precautions for Safe Handling:

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8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection:
Not applicable.

Hand Protection:
Not applicable.

Skin Protection:

Respiratory Protection:
Not applicable.

Ingestion:
Not applicable.

Recommended Ventilation:
Not applicable.

Exposure Limits:

TALC (BOUND) (14807-96-6)
UK HSE TWA: 10 mg/m³ Total inhalable dust; 1 mg/m³ Respirable
dust OES

CARBON BLACK (BOUND) (1333-86-4)
UK HSE TWA: 3.5 mg/m³ OES
UK HSE STEL: 7 mg/m³ OES

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour:	Black sealer tape.
pH:	Not applicable
Boiling point/boiling range:	Not applicable
Melting point/melting range:	Not determined
Flash point:	Not applicable
Autoflammability:	Not determined
Vapour pressure:	Not applicable
Water Solubility:	Not applicable

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Specific gravity:	Not applicable
Vapour density:	Not applicable
Volatile organic compounds:	Not determined
Evaporation rate:	Not applicable
Viscosity:	Not applicable
Percent volatile:	

10 STABILITY AND REACTIVITY

Materials to Avoid:
None known.

Hazardous Decomposition:
Stable. Hazardous polymerisation will not occur.

11 TOXICOLOGICAL INFORMATION

Effects from Eye Contact:
Eye contact is not expected to occur during normal use of the product.

Effects from Skin Contact:
No adverse health effects are expected from skin contact.

Effects from Inhalation:
Health effects from inhalation are not expected unless product is heated.

Effects from Ingestion:
Ingestion is not a likely route of exposure to this product.
Ingestion may cause: Irritation of Gastrointestinal Tissues:
signs/symptoms can include pain, vomiting, abdominal
tenderness, nausea, blood in vomit, and blood in faeces.

Carcinogenicity:
WARNING: Contains a chemical which can cause cancer.
(1333-86-4) (IARC possible human carcinogen 2B) Carbon black is
widely used in rubber tyres, hoses, gaskets and coated fabrics;
smaller amounts are used in printing inks, paints and plastics.
The totality of the epidemiological studies both in the carbon
black production industry and in some user industries suggested
that there is inadequate evidence for the carcinogenicity in
humans of carbon black. Several inhalation studies in female
rats have shown increases in benign and malignant lung tumors.
Carbon black extracts (solvent extracts) are also carcinogenic
to the skin of mice. Although a large body of data on possible
mechanisms of carcinogenicity in rats was considered by IARC,

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it was not possible to state with Confidence that the mechanisms of carcinogenicity in rats do not operate in exposed humans. Carbon black was thus evaluated as possibly carcinogenic to humans (Group 2B).

12 ECOLOGICAL INFORMATION

Other Effects and Information:
Not applicable.

13 DISPOSAL CONSIDERATIONS

Special Instructions:
Dispose of waste product in a landfill/waste disposal site.
Since regulations vary, consult applicable regulations or authorities before disposal.

14 TRANSPORT INFORMATION

UN NUMBER:

UN number: Not restricted for transportation.

UK ROAD/SEA FREIGHT (IMO) CLASSIFICATION:

Substance Identification Number:	Not applicable
Class:	Not applicable
Packing Group:	Not applicable
Proper Shipping Name:	Not applicable
CDG-ROAD (if applicable)	Not applicable

ADR/RID CLASSIFICATION:

Class:	Not applicable
Item Number:	Not applicable

ICAO/IATA CLASSIFICATION:

Class:	Not applicable
Sub-Risk:	Not applicable

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Packing Group: Not applicable

Proper Shipping Name: Not applicable

15 REGULATORY INFORMATION

Precautionary Label Information:

Symbol(s):
NoneRisk Phrases:
Not applicableSafety Phrases:
Not applicable

16 OTHER INFORMATION

Regulatory Information:

The following UK Regulations as amended may affect the product as supplied:
The Chemicals (Hazard Information and Packaging) Regulations 1994
The Dangerous Substances (Conveyance by Road in Road Tankers Tank Containers/Regulations 1992)
The Carriage of Dangerous Goods By Road and Rail (Classification, Packaging and Labelling) Regulations 1994
The Petroleum (Consolidation) Act 1928
The Control of Substances Hazardous to Health Regulations 1994
The Control of Pollution (Special Waste) Regulations 1980
The Environmental Protection Act, 1990
The Health and Safety at Work Act, 1974

Reissue date/Reason for reissue.

23/02/98: Updated toxicology information section, and checked history.

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Intended Use of Product:
An Electrical Tape.

The information on this Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law).

The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials.

For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.