



Safety Data Sheet

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Document group: 09-3522-1 **Version number:** 1.00
Revision date: 28/02/2012 **Supersedes date:** Initial issue.
Transportation version number: 1.00 (28/02/2012)

This Safety Data Sheet has been prepared in accordance with the REACH Regulation (EC) 1907/2006 and its modifications.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Scotch® Vinyl Electrical Colour Coding Tape 35 (Black, Blue, Grey, Green, Maroon, Orange, Red, White, Yellow)

Product identification numbers

80-6112-1156-8 80-6112-1157-6 80-6112-1158-4 80-6112-1159-2 80-6112-1160-0
80-6112-1162-6

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Reinsulating and colour-coding electrical wiring

1.3. Details of the supplier of the substance or mixture

Address: 3M United Kingdom PLC, 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT.

E Mail: tox.uk@mmm.com

Website: www.3M.com/uk

1.4. Emergency telephone number

+44 (0)1344 858 000

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Dangerous substances(67/548/EEC)/preparations(1999/45/EC) directive

2.2. Label elements

Dangerous substances(67/548/EEC)/preparations(1999/45/EC) directive

Symbols None.

Contains:

Scotch® Vinyl Electrical Colour Coding Tape 35 (Black, Blue, Grey, Green, Maroon, Orange, Red, White, Yellow)

No ingredients are assigned to the label.

Risk phrases None.

Safety phrases None.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

Ingredient	CAS Nbr	EU Inventory	% by Wt	Classification
Polyvinyl chloride-based film backing	Trade Secret		80 - 90	
Piperylene - 2-methyl-2-butene polymer	Mixture		10 - 20	
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich	68515-48-0	EINECS 271-090-9	2 - 5	
Antimony Trioxide	1309-64-4	EINECS 215-175-0	1 - 3	Carc.Cat.3:R40 (EU) Carc. 2, H351 (CLP)
Carbon black	1333-86-4	EINECS 215-609-9	0 - 0.5	

Please see section 16 for the full text of any R phrases and H statements referred to in this section

Please refer to section 15 for the any applicable Notas that have been applied to the above components

For information on ingredient occupational exposure limits or PBT or vPvB status, see sections 8 and 12 of this SDS

SECTION 4: First aid measures**4.1. Description of first aid measures****Eye contact**

Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

Skin contact

Wash with soap and water. If signs/symptoms develop, get medical attention.

Inhalation

Remove person to fresh air. If you feel unwell, get medical attention.

If swallowed

Rinse mouth. If you feel unwell, get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

See Section 11.1 Information on toxicological effects

4.3. Indication of any immediate medical attention and special treatment required

Not applicable

SECTION 5: Fire-fighting measures**5.1. Extinguishing media**

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam.

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

Hazardous Decomposition or By-Products

Substance

Carbon monoxide.
Carbon dioxide.
Hydrogen Chloride
Oxides of antimony.

Condition

During combustion.
During combustion.
During combustion.
During combustion.

5.3. Advice for fire-fighters

No unusual fire or explosion hazards are anticipated.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Sweep up.

6.4. Reference to other sections

Refer to Section 8 and Section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid breathing of dust created by cutting, sanding, grinding or machining. This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.) Use personal protective equipment (eg. gloves, respirators...) as required.

7.2. Conditions for safe storage including any incompatibilities

Not applicable. Store away from oxidising agents.

7.3. Specific end use(s)

See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Ingredient	CAS Nbr	Agency	Limit type	Additional comments
Antimony compounds, except stibine	1309-64-4	Health and Safety Comm.	TWA(as Sb):0.5 mg/m ³	

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Carbon black	1333-86-4	(UK) Health and Safety Comm.	TWA: 3.5 mg/m ³ ; STEL: 7 mg/m ³
Polyvinyl chloride-based film backing	9002-86-2	(UK) Health and Safety Comm. (UK)	TWA(as inhalable dust):10 mg/m ³ ;TWA(as respirable dust):4 mg/m ³

Health and Safety Comm. (UK) : UK Health and Safety Commission

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

ppm: parts per million

mg/m³: milligrams per cubic metre

CEIL: Ceiling

8.2. Exposure controls

8.2.1. Engineering controls

8.2.2. Personal protective equipment (PPE)

Eye/face protection

Eye protection not required.

Skin/hand protection

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials. Skin protection is not required.

Respiratory protection

Respiratory protection is not required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid.
Specific Physical Form:	Roll of Tape.
Appearance/Odour	Various colours
pH	<i>Not applicable.</i>
Boiling point/boiling range	<i>Not applicable.</i>
Melting point	<i>No data available.</i>
Flammability (solid, gas)	Not classified
Explosive properties	Not classified
Oxidising properties	Not classified
Flash point	<i>No data available.</i>
Autoignition temperature	<i>No data available.</i>
Flammable Limits(LEL)	<i>Not applicable.</i>
Flammable Limits(UEL)	<i>Not applicable.</i>
Vapour pressure	<i>Not applicable.</i>
Relative density	1.22

Partition coefficient: n-octanol/water *No data available.*

Evaporation rate	<i>Not applicable.</i>
Vapour density	<i>Not applicable.</i>
Viscosity	<i>Not applicable.</i>

9.2. Other information

Volatile organic compounds (VOC)	<i>Not applicable.</i>
VOC less H ₂ O & exempt solvents	<i>No data available.</i>

SECTION 10: Stability and reactivity

10.1 Reactivity

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

10.4 Conditions to avoid

Not determined

10.5 Incompatible materials

Strong oxidising agents.

10.6 Hazardous decomposition products

<u>Substance</u>	<u>Condition</u>
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Hydrocarbons.

At elevated temperatures. - >90 C

Under recommended usage conditions, hazardous decomposition products are not expected. Hazardous decomposition products may occur as a result of oxidation, heating, or reaction with another material.

SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labelling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1 Information on Toxicological effects

Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

Eye contact

Dust created by cutting, grinding, sanding, or machining may cause eye irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision. Contact with the eyes during product use is not expected to result in significant irritation. No health effects are expected.

Skin contact

Contact with the skin during product use is not expected to result in significant irritation. No health effects are expected.

Inhalation

Dust from cutting, grinding, sanding or machining may cause irritation of the respiratory system: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, nose and throat pain. Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. No health effects are expected.

Ingestion

Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea. No health effects are expected.

Target Organ Effects:

Respiratory effects: Signs/symptoms may include cough, shortness of breath, chest tightness, wheezing, increased heart rate, bluish coloured skin (cyanosis), sputum production, changes in lung function tests, and respiratory failure. Dermal effects: Signs/symptoms may include redness, itching, acne, or bumps on the skin. Fibrosis: Signs/symptoms may include breathlessness, chronic dry cough, phlegm production, wheezing, and changes in lung function tests. Pneumoconiosis: Signs/symptoms may include persistent cough, breathlessness, chest pain, increased amounts of sputum, and changes in lung function tests.

Carcinogenicity:

Contains a chemical or chemicals which can cause cancer.

Additional information:

- This product, when used under reasonable conditions and in accordance with the 3M directions for use, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential health and safety hazards.

Toxicological Data

Acute Toxicity

Name	Route	Species	Value	UN GHS Classification
Overall product	Ingestion		No test data available; calculated ATE >5,000 mg/kg	Not classified (33.39252% unknown)
Polyvinyl chloride-based film backing			No data available	
Piperylene - 2-methyl-2-butene polymer			No data available	
Antimony Trioxide			No data available	
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich			No data available	
Carbon black			No data available	

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value	UN GHS Classification
Overall product		No test data available; calculated to cause no significant irritation	Not classified
Polyvinyl chloride-based film backing		No data available	
Piperylene - 2-methyl-2-butene polymer		No data available	
Antimony Trioxide		No data available	
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich		No data available	

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Carbon black		No data available	
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Serious Eye Damage/Irritation

Name	Species	Value	UN GHS Classification
Overall product		No test data available; calculated to cause no significant irritation	Not classified
Polyvinyl chloride-based film backing		No data available	
Piperylene - 2-methyl-2-butene polymer		No data available	
Antimony Trioxide		No data available	
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich		No data available	
Carbon black		No data available	

Skin Sensitisation

Name	Species	Value	UN GHS Classification
Overall product		No test data available.	Not classified based on component data
Polyvinyl chloride-based film backing		No data available	
Piperylene - 2-methyl-2-butene polymer		No data available	
Antimony Trioxide		No data available	
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich		No data available	
Carbon black		No data available	

Respiratory Sensitisation

Name	Species	Value	UN GHS Classification
Overall product		No test data available.	Not classified based on component data
Polyvinyl chloride-based film backing		No data available	
Piperylene - 2-methyl-2-butene polymer		No data available	
Antimony Trioxide		No data available	
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich		No data available	
Carbon black		No data available	

Germ Cell Mutagenicity

Name	Route	Value	UN GHS Classification
Overall product		No data available	Overall Germ Cell Mutagenicity classification Not classified
Overall product		No test data available.	
Polyvinyl chloride-based film backing	In Vitro	Not mutagenic	Not classified
Piperylene - 2-methyl-2-butene polymer		No data available	
Antimony Trioxide		No data available	
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich		No data available	
Carbon black		No data available	

Carcinogenicity

Name	Route	Species	Value	UN GHS Classification
Overall product			No test data available.	Not classified based on component data
Polyvinyl chloride-based film backing	Not specified.		Some positive data exist, but the data are not sufficient for classification	Not classified
Piperylene - 2-methyl-2-butene polymer			No data available	
Antimony Trioxide			No data available	

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1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich			No data available	
Carbon black			No data available	

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test result	Exposure Duration	UN GHS Classification
Overall product		No test data available.				Not classified based on component data
Polyvinyl chloride-based film backing	Not specified.	Not toxic to reproduction and/or development	Mouse	NOAEL NA		
Piperylene - 2-methyl-2-butene polymer		No data available				
Antimony Trioxide		No data available				
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich		No data available				
Carbon black		No data available				

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration	UN GHS Classification
Overall product			No test data available.				Category 2 based on component data
Polyvinyl chloride-based film backing	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive		Not classified
Piperylene - 2-methyl-2-butene polymer			No data available				
Antimony Trioxide			No data available				
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich			No data available				
Carbon black			No data available				

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration	UN GHS Classification
Overall product			No test data available.				Category 1 based on component

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							data
Polyvinyl chloride-based film backing	Inhalation	respiratory system	May cause damage to organs though prolonged or repeated exposure	Rat	NOAEL NA		Category 2
Polyvinyl chloride-based film backing	Inhalation	pneumoconiosis	May cause damage to organs though prolonged or repeated exposure		LOAEL 0.013 mg/l		Category 2
Polyvinyl chloride-based film backing	Inhalation	pulmonary fibrosis	All data are negative		NOAEL 0.013 mg/l		Not classified
Piperylene - 2-methyl-2-butene polymer			No data available				
Antimony Trioxide			No data available				
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich			No data available				
Carbon black			No data available				

Aspiration Hazard

Name	Value	UN GHS Classification
Overall product	No test data available.	Not classified based on component and/or viscosity data
Polyvinyl chloride-based film backing	Not an aspiration hazard	Not classified
Piperylene - 2-methyl-2-butene polymer	Not an aspiration hazard	Not classified
Antimony Trioxide	Not an aspiration hazard	Not classified
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich	Not an aspiration hazard	Not classified
Carbon black	Not an aspiration hazard	Not classified

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

SECTION 12: Ecological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labelling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

12.1. Toxicity

Acute aquatic hazard:

GHS Acute 2: Toxic to aquatic life with long lasting effects.

Chronic aquatic hazard:

GHS Chronic 2: Toxic to aquatic life with long lasting effects.

No product test data available.
No component test data available.

12.2. Persistence and degradability

No test data available.

12.3 : Bioaccumulative potential

No test data available.

12.4. Mobility in soil

Please contact manufacturer for more details

12.5. Results of the PBT and vPvB assessment

No information available at this time, contact manufacturer for more details

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Dispose of contents/ container in accordance with the local/regional/national/international regulations

Dispose of waste product in a permitted industrial waste facility.

The coding of a waste stream is based on the application of the product by the consumer. Since this is out of the control of 3M, no waste code(s) for products after use will be provided. Please refer to the European Waste Code (EWC - 2000/532/EC and amendments) to assign the correct waste code to your waste stream. Ensure national and/or regional regulations are complied with and always use a licensed waste contractor.

EU waste code (product as sold)

20 01 27* Paint, inks, adhesives and resins containing dangerous substances

SECTION 14: Transportation information

80-6112-1156-8, 80-6112-1157-6, 80-6112-1158-4, 80-6112-1159-2,
80-6112-1160-0, 80-6112-1162-6

Not hazardous for transportation

ADR: Not restricted for transport.

IMDG: Not restricted for transport.

IATA: Not restricted for transport.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Carcinogenicity

<u>Ingredient</u>	<u>CAS Nbr</u>	<u>Classification</u>	<u>Regulation</u>
Antimony Trioxide	1309-64-4	Carc. 2	Regulation (EC) No.

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Antimony Trioxide	1309-64-4	Carc.Cat.3	1272/2008, Table 3.1 Regulation (EC) No. 1272/2008, Table 3.2
Antimony Trioxide	1309-64-4	Grp. 2B: Possible human carc.	International Agency for Research on Cancer
Carbon black	1333-86-4	Grp. 2B: Possible human carc.	International Agency for Research on Cancer
Polyvinyl chloride-based film backing	9002-86-2	Gr. 3: Not classifiable	International Agency for Research on Cancer

Global inventory status

All applicable chemical ingredients in this material are listed on the European Inventory of Existing Chemical Substances (EINECS), or are exempt polymers whose monomers are listed on EINECS. Contact 3M for more information. The components of this material are in compliance with the provisions of Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Philippines RA 6969 requirements. Certain restrictions may apply. Contact the selling division for additional information. The components of this product are in compliance with the new substance notification requirements of CEPA. The components of this product are in compliance with the chemical notification requirements of TSCA.

15.2. Chemical Safety Assessment

Not applicable

SECTION 16: Other information**List of relevant H statements**

H351 Suspected of causing cancer.

List of relevant R-phrases

R40 Limited evidence of a carcinogenic effect.

Revision information:

No revision information is available.

DISCLAIMER: The information on this Safety 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.

3M United Kingdom MSDSs are available at www.3M.com/uk