



Material Safety Data Sheet

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This material safety data sheet (MSDS) is provided as a courtesy in response to a customer request. This product is not regulated under, and a MSDS is not required for this product by the OSHA Hazard Communication Standard (29 CFR 1910.1200) because, when used as recommended or under ordinary conditions, it should not present a health and safety hazard. However, use or processing of the product not in accordance with the product's recommendations or not under ordinary conditions may affect the performance of the product and may present potential health and safety hazards.

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Scotchli(TM) Electrical Insulating Putty

MANUFACTURER: 3M

DIVISION: Electrical Markets Division

ADDRESS: 3M Center

St. Paul, MN 55144-1000

EMERGENCY PHONE: 1-800-364-3577 or (651) 737-6501 (24 hours)

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Product Use:

Intended Use:

Electrical insulation

Specific Use:

Insulating and Sealing electrical connections

SECTION 2: INGREDIENTS

Ingredient	C.A.S. No.	% by Wt
BUTYL RUBBER	9010-85-9	40 - 60
AMORPHOUS SILICA	61790-53-2	25 - 35
WHITE MINERAL OIL (PETROLEUM)	8042-47-5	10 - 25
TACKIFIER	26813-14-9	3 - 10
POLYETHYLENE	9002-88-4	4 - 10
POLYISOBUTYLENE	9003-27-4	4 - 10
CARBON BLACK	1333-86-4	1 - 5

Carbon black and filler are embedded in the rubber matrix and not available as a respirable dust.

SECTION 3: HAZARDS IDENTIFICATION

3.1 EMERGENCY OVERVIEW

Specific Physical Form: Roll of Tape
Odor, Color, Grade: Release coated paper lined black, tacky rubber.
General Physical Form: Solid

Immediate health, physical, and environmental hazards:
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.

3.2 POTENTIAL HEALTH EFFECTS

Eye Contact: No health effects are expected.

Skin Contact: No health effects are expected.

Inhalation: No health effects are expected.

Ingestion: No health effects are expected.

4.1 FIRST AID PROCEDURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

Eye Contact: No need for first aid is anticipated.

Skin Contact: No need for first aid is anticipated.

Inhalation: No need for first aid is anticipated.

If Swallowed: No need for first aid is anticipated.

SECTION 5: FIRE FIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES

Autoignition temperature
Flash Point

Flammable Limits - LEL

Flammable Limits - UEL

OSHA Flammability Classification:

No Data Available
No Data Available
No Data Available
No Data Available
Not Applicable

Not applicable.

8.2.2 Skin Protection

Not applicable.

8.2.1 Eye/Face Protection

8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

Not applicable.

8.1 ENGINEERING CONTROLS

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Store away from areas where product may come into contact with food or pharmaceuticals.

7.2 STORAGE

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. For industrial use only. Not intended for use as a medical device or drug.

7.1 HANDLING

SECTION 7: HANDLING AND STORAGE

Not applicable.

Clean-up methods

Not applicable.

Environmental procedures

Not applicable.

Personal precautions

SECTION 6: ACCIDENTAL RELEASE MEASURES

Note: See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.

Unusual Fire and Explosion Hazards: Not applicable. No unusual fire or explosion hazards are anticipated.

Special Fire Fighting Procedures: See Hazardous Decomposition section for products of combustion. Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

5.3 PROTECTION OF FIRE FIGHTERS

Use fire extinguishers with class D extinguishers with class B extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

5.2 EXTINGUISHING MEDIA

8.2.3 Respiratory Protection
 Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

8.2.4 Prevention of Swallowing
 Not applicable.

8.3 EXPOSURE GUIDELINES

Ingredient	Authority	Type	Limit	Additional Information
CARBON BLACK	ACGIH	TWA	3.5 mg/m3	
CARBON BLACK	CMRG	TWA	0.5 mg/m3	
CARBON BLACK	OSHA	TWA	3.5 mg/m3	
WHITE MINERAL OIL (PETROLEUM)	CMRG	TWA	5 mg/m3	
WHITE MINERAL OIL (PETROLEUM)	CMRG	TWA	10 mg/m3	

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- CMRG: Chemical Manufacturer Recommended Guideline
- OSHA: Occupational Safety and Health Administration
- AIHA: American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Specific Physical Form:	Roll of Tape
Odor, Color, Grade:	Release coated paper lined black, tacky rubber.
General Physical Form:	Solid
Autoignition temperature	No Data Available
Flash Point	No Data Available
Flammable Limits - LEL	No Data Available
Flammable Limits - UEL	No Data Available
Boiling point	No Data Available
Vapor Density	Not Applicable
Vapor Pressure	Not Applicable
Specific Gravity	Approximately 1.14 Units not avail. or not appl. [Ref Sid: WATER=1] [Details: SPECIFIC METHOD: SUPPLIER METHOD]
pH	Not Applicable
Melting point	No Data Available
Solubility in Water	Nil
Evaporation rate	Not Applicable
Volatile Organic Compounds	Not Applicable
Kow - Oct/Water partition coef	No Data Available
Percent volatile	Nil
VOC Less H2O & Exempt Solvents	Not Applicable
Viscosity	Not Applicable

Waste Disposal Method: Dispose of waste product in a sanitary landfill. As a disposal alternative, incinerate in an industrial or commercial facility in the presence of a combustible material.

SECTION 13: DISPOSAL CONSIDERATIONS

Not applicable.

CHEMICAL FATE INFORMATION

Not applicable.

ECOTOXICOLOGICAL INFORMATION

SECTION 12: ECOLOGICAL INFORMATION

Please contact the address listed on the first page of the MSDS for Toxicological Information on this material and/or its components.

SECTION 11: TOXICOLOGICAL INFORMATION

Hazardous Decomposition: 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.

Substance	Condition
Hydrocarbons	At Elevated Temperatures
Carbon monoxide	During Combustion
Carbon dioxide	During Combustion

Hazardous Decomposition or By-Products

Hazardous Polymerization: Hazardous polymerization will not occur.

Materials and Conditions to Avoid:
10.1 Conditions to avoid
Sparks and/or flames
10.2 Materials to avoid
Strong oxidizing agents

Stability: Stable.

SECTION 10: STABILITY AND REACTIVITY

Materials to avoid
Strong oxidizing agents

INTERNATIONAL REGULATIONS

Contact 3M for more information.

Contact 3M for more information.

The components of this product are listed on the Canadian Domestic Substances List.

All the components of this product are listed on China's Inventory of Chemical Substances.

This product is an article as defined by TSCA regulations, and is exempt from TSCA Inventory listing requirements.

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.

The components of this product are in compliance with the chemical notification requirements of TSCA.

CHEMICAL INVENTORIES

Contact 3M for more information.

STATE REGULATIONS

311/312 Hazard Categories: Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - No Delayed Hazard - No

Contact 3M for more information.

US FEDERAL REGULATIONS

SECTION 15: REGULATORY INFORMATION

For Transport Information, please visit <http://3M.com/TransportInfo> or call 1-800-364-3577 or 651-737-6501.

ID Number(s): 80-0000-0116-6, 80-0120-5201-7, 80-6107-3838-9, 80-6108-3372-7, 80-6112-0499-3, 80-6112-0516-4

SECTION 14: TRANSPORT INFORMATION

Since regulations vary, consult applicable regulations or authorities before disposal.

EPA Hazardous Waste Number (RCRA): Not regulated

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This MSDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SECTION 16: OTHER INFORMATION

NFPA Hazard Classification

Health: 0 Flammability: 1 Reactivity: 0 Special Hazards: None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

Revision Changes:

- Section 14: Transportation legal text was modified.
- Section 9: Property description for optional properties was modified.
- Section 8: Exposure guidelines ingredient information was modified.
- Section 9: Property description for required properties was added.
- Section 6: Environmental procedures heading was added.
- Section 6: Personal precautions heading was added.
- Section 10.1 Conditions to avoid heading was added.
- Section 10.2 Materials to avoid heading was added.
- Section 6: Environmental precautions information was added.
- Section 6: Environmental procedures information was added.
- Section 6: Methods for cleaning up information was added.
- Section 10: Materials to avoid physical property was added.
- Section 10: Conditions to avoid physical property was added.
- Section 6: Clean-up methods heading was added.
- Section 6: Release measures information was deleted.
- Section 6: Release measures heading was deleted.
- Section 10: Materials and conditions to avoid physical property was deleted.

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