

MATERIAL SAFETY DATA SHEET 3M  
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 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.

DIVISION: MASKING & PACKAGING SYSTEMS DIVISION  
 TRADE NAME:

SCOTCH BRAND, HIGHLAND BRAND, TARTAN BRAND FILAMENT TAPE 60 YD, 55M  
 ISSUED: November 25, 1997  
 SUPERSEDES: February 24, 1997  
 DOCUMENT: 10-9538-9

1. INGREDIENT	C.A.S. NO.	PERCENT
FILAMENT TAPE - VARIOUS WIDTHS.....	Unknown	99.0 - 99.9
OXIDE GLASS CHEMICALS.....	65997-17-3	0.1 - 1.0

Edge treatment: Glass beads (Amorphous silicate)

2. PHYSICAL DATA

BOILING POINT:..... N/A  
 VAPOR PRESSURE:..... N/A  
 VAPOR DENSITY:..... N/A  
 EVAPORATION RATE:..... N/A  
 SOLUBILITY IN WATER:..... N/A  
 SPECIFIC GRAVITY:..... N/A  
 PERCENT VOLATILE:..... N/A  
 pH:..... N/A  
 VISCOSITY:..... N/A  
 MELTING POINT:..... N/D

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

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2. PHYSICAL DATA (continued)

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APPEARANCE AND ODOR:  
Tape

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3. FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT:..... N/A  
FLAMMABLE LIMITS - LEL:..... N/A  
FLAMMABLE LIMITS - UEL:..... N/A  
AUTOIGNITION TEMPERATURE:..... N/D

EXTINGUISHING MEDIA:  
Water, Water spray, Carbon dioxide, Dry chemical, Foam

SPECIAL FIRE FIGHTING PROCEDURES:  
Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

UNUSUAL FIRE AND EXPLOSION HAZARDS:  
No unusual fire or explosion hazards are anticipated.

NFPA HAZARD CODES: HEALTH: 0 FIRE: 0 REACTIVITY: 0  
UNUSUAL REACTION HAZARD: none

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4. REACTIVITY DATA

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STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:  
None known.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:  
Carbon Monoxide and Carbon Dioxide, Hydrocarbons.

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5. ENVIRONMENTAL INFORMATION

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SPILL RESPONSE:  
Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Collect spilled material.

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5. ENVIRONMENTAL INFORMATION (continued)

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RECOMMENDED DISPOSAL:

Incinerate in an industrial or commercial facility. Dispose of waste product in a sanitary landfill. Reclaim if feasible.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: N/A.  
VOC Less H2O & Exempt Solvents: N/D.

Since regulations vary, consult applicable regulations or authorities before disposal. In the event of an uncontrolled release of this material, the user should determine if the release qualifies as a reportable quantity.

EPCRA HAZARD CLASS:

FIRE HAZARD: No PRESSURE: No REACTIVITY: No ACUTE: No CHRONIC: No

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6. SUGGESTED FIRST AID

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EYE CONTACT:

Immediately flush eyes with large amounts of water. Get immediate medical attention.

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.

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7. PRECAUTIONARY INFORMATION

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EYE PROTECTION:

Avoid eye contact.

SKIN PROTECTION:

Not applicable.

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7. PRECAUTIONARY INFORMATION (continued)  
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RECOMMENDED VENTILATION:  
Not applicable.

RESPIRATORY PROTECTION:  
Not applicable.

PREVENTION OF ACCIDENTAL INGESTION:  
Not applicable.

RECOMMENDED STORAGE:  
Store away from heat.

FIRE AND EXPLOSION AVOIDANCE:  
Not applicable.

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
FILAMENT TAPE - VARIOUS WIDTHS.....	NONE	NONE	NONE	NONE	
OXIDE GLASS CHEMICALS.....	10	MG/M3	TWA	3M	
		as dust			

\* SKIN NOTATION: Listed substances indicated with 'Y' under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:  
- 3M: 3M Recommended Exposure Guidelines  
- NONE: None Established

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8. HEALTH HAZARD DATA  
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EYE CONTACT:  
Mechanical eye irritation: signs/symptoms can include irritation, redness, scratching of the cornea and tearing.

SKIN CONTACT:  
No adverse health effects are expected from skin contact.

INHALATION:  
No adverse health effects are expected from inhalation exposure.

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8. HEALTH HAZARD DATA (continued)

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IF SWALLOWED:

Ingestion is not a likely route of exposure to this product.

No adverse health effects are expected from swallowing.

OTHER HEALTH HAZARD INFORMATION:

This product, when used under reasonable conditions or in accordance with the 3M directions for use, should not present a health and safety 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.

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SECTION CHANGE DATES

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ENVIRONMENTAL INFO. SECTION CHANGED SINCE February 24, 1997 ISSUE

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