



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: Scotch 234 General Purpose Masking Tape
MANUFACTURER: 3M
DIVISION: Industrial Tape And Specialties 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: A general purpose paper masking tape designed to be used in a medium temperature bake operation. To obtain best performance, use this product within one year from date of manufacture and store under normal conditions of 70°F (21°C) and 50% R.H. in the original packaging. The heat resistance of 234 tape will allow it to function satisfactorily during bake cycles at 250°F (121°C) for up to one hour. The tape should not be subjected to outdoor weather or prolonged periods of sunlight or the tape may become difficult to remove.

SECTION 2: INGREDIENTS

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>% by Wt</u>
SATURATED CREPE PAPER	***** Missing Data	65 - 75
NATURAL RUBBER / RESIN ADHESIVE	9006-04-6	25 - 35

SECTION 3: HAZARDS IDENTIFICATION

3.1 EMERGENCY OVERVIEW

Odor, Color, Grade: Tan crepe paper tape with colorless adhesive.

General Physical Form: Solid

Immediate health, physical, and environmental hazards: The environmental properties of this product present a low environmental hazard. 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:

Contact with the eyes during product use is not expected to result in significant irritation.

Skin Contact:

Contact with the skin during product use is not expected to result in significant irritation.

Inhalation:

No health effects are expected.

If thermal decomposition occurs:

Vapors from heated material may cause irritation of the respiratory system. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Ingestion:

No health effects are expected.

3.3 POTENTIAL ENVIRONMENTAL EFFECTS

This substance does not leach metals or other RCRA (Resource Conservation and Recovery Act) listed TCLP (Toxic Characteristic Leaching Procedure) hazardous substances at concentrations that would make the product a hazardous waste.

SECTION 4: FIRST AID MEASURES

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: If signs/symptoms develop, remove person to fresh air. If signs/symptoms persist, get medical attention.

If Swallowed: No need for first aid is anticipated.

SECTION 5: FIRE FIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES

Autoignition temperature	451 °F
Flash Point	<i>Not Applicable</i>
Flammable Limits - LEL	<i>Not Applicable</i>
Flammable Limits - UEL	<i>Not Applicable</i>

5.2 EXTINGUISHING MEDIA

Ordinary combustible material. Use fire extinguishers with class A extinguishing agents (e.g., water, foam).

5.3 PROTECTION OF FIRE FIGHTERS

Special Fire Fighting Procedures: See Hazardous Decomposition section for products of combustion. Nonflammable.

Unusual Fire and Explosion Hazards: No unusual fire or explosion hazards are anticipated. Non-flammable: ordinary combustible material.

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Collect as much of the spilled material as possible. Reclaim undamaged product.

SECTION 7: HANDLING AND STORAGE

7.1 HANDLING

Do not ingest. Do not breathe thermal decomposition products. 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.

7.2 STORAGE

Store under normal warehouse conditions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 ENGINEERING CONTROLS

General ventilation adequate below 400 C. Local exhaust recommended above 400 C.

8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

8.2.1 Eye/Face Protection

Avoid eye contact.

8.2.2 Skin Protection

Avoid prolonged or repeated skin contact. Gloves are not required.

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

Do not ingest.

8.3 EXPOSURE GUIDELINES

<u>Ingredient</u>	<u>Authority</u>	<u>Type</u>	<u>Limit</u>	<u>Additional Information</u>
NATURAL RUBBER / RESIN ADHESIVE	ACGIH	TWA, as total proteins, inhalable fraction	0.001 mg/m3	Sensitizer; Skin Notation*
POLYETHYLENE GLYCOLS	AIHA	TWA, as aerosol	10 mg/m3	

* Substance(s) 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:

- 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

Odor, Color, Grade:	Tan crepe paper tape with colorless adhesive.
General Physical Form:	Solid
Autoignition temperature	451 °F
Flash Point	<i>Not Applicable</i>
Flammable Limits - LEL	<i>Not Applicable</i>
Flammable Limits - UEL	<i>Not Applicable</i>
Boiling point	<i>Not Applicable</i>
Density	<i>No Data Available</i>
Vapor Density	<i>No Data Available</i>
Vapor Pressure	<i>No Data Available</i>
Vapor Pressure	<i>No Data Available</i>
Specific Gravity	<i>No Data Available</i>
pH	<i>Not Applicable</i>
Melting point	<i>Not Applicable</i>
Solubility In Water	<i>Not Applicable</i>

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable.

Materials and Conditions to Avoid: Light

Hazardous Polymerization: Hazardous polymerization will not occur.

Hazardous Decomposition or By-Products

<u>Substance</u>	<u>Condition</u>
Hydrocarbons	Not Specified
Carbon monoxide	Not Specified
Carbon dioxide	Not Specified

SECTION 11: TOXICOLOGICAL INFORMATION

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

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

Not determined.

CHEMICAL FATE INFORMATION

Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Reclaim if feasible. If product can't be reclaimed, dispose of waste product in a sanitary landfill. Alternatively, incinerate the waste product in an industrial, commercial, or municipal incinerator.

EPA Hazardous Waste Number (RCRA): Not regulated

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

SECTION 14: TRANSPORT INFORMATION

ID Number(s):

44-0004-6460-0, 70-0000-0517-6, 70-0022-7608-0, 70-0022-7609-8, 70-0022-7610-6, 70-0022-7611-4, 70-0022-7613-0, 70-0022-7615-5, 70-0022-7625-4, 70-0022-7628-8, 70-0022-7629-6, 70-0060-1944-5, 70-0060-1945-2, 70-0060-1946-0, 70-0060-3834-6, 70-0063-1928-2, 70-0063-1929-0, 70-0063-1930-8, 70-0063-1931-6, 70-0063-2205-4, 70-0063-2337-5, 70-0063-2362-3, 70-0063-2363-1, 70-0063-2364-9, 70-0063-2365-6, 70-0063-2380-5, 70-0063-2381-3, 70-0063-2382-1, 70-0063-4675-6, 70-0063-4676-4, 70-0063-4679-8, 70-0063-4829-9, 70-0063-7091-3, 70-0063-7097-0, 70-0063-7100-2, 70-0063-7101-0, 70-0063-7102-8, 70-0063-7267-9, 70-0063-7268-7, 70-0063-7340-4, 70-0063-7372-7, 70-0063-7377-6, 70-0063-7378-4, 70-0063-7403-0, 70-0063-7442-8, 70-0063-7456-8, 70-0063-7457-6, 70-0063-7466-7, 70-0063-7480-8, 70-0063-7528-4, 70-0063-7595-3, 70-0063-7629-0, 70-0063-7698-5, 70-0063-7728-0, 70-0063-7795-9, 70-0063-7828-8, 70-0063-7862-7, 70-0063-7872-6, 70-0063-7877-5, 70-0063-7981-5, 70-0063-8017-7, 70-0063-8121-7, 70-0063-8190-2, 70-0063-8219-9, 70-0063-8244-7, 70-0063-8274-4

Please contact the emergency numbers listed on the first page of the MSDS for Transportation Information for this material.

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS

Contact 3M for more information.

STATE REGULATIONS

Contact 3M for more information.

CHEMICAL INVENTORIES

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

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.

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

Contact 3M for more information.

INTERNATIONAL REGULATIONS

Contact 3M for more information.

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

SECTION 16: OTHER INFORMATION

Revision Changes:

Section 1: Product use information was modified.

Copyright was modified.

Section 14: ID Number heading was added.
Section 14: ID Number(s) was added.

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