

*Peteringer*
REC

REC'D FEB 08 2006

Material Safety Data Sheet

Copyright, 2004, 3M Company. All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

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: 3939 3M Duct 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)

Issue Date: 06/01/2004
Supersedes Date: 04/15/2003

Document Group: 17-8452-9

Product Use:

General Use: Duct Tapes are widely used for a variety of applications not requiring clean removal or permanent adhesion.

SECTION 2: INGREDIENTS

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>% by Wt</u>
POLYETHYLENE FILM	9002-88-4	20 - 30
FILLER	VARIOUS	15 - 30
ALIPHATIC HYDROCARBON RESINS	UNKNOWN	15 - 30
RUBBER	9003-31-0	15 - 25
CLOTH	VARIOUS	1 - 10

SECTION 3: HAZARDS IDENTIFICATION**3.1 EMERGENCY OVERVIEW**

Odor, Color, Grade: This is a grey/silver, polyethylene film backed, white PET scrimed Duct tape with a white pigmented Natural rubber PSA

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:**

Eye contact is not expected to occur during normal use of the product.

Skin Contact:

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

Inhalation:

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.

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	550 - 600 °F
Flash Point	230 - 250 °C
Flammable Limits - LEL	No Data Available
Flammable Limits - UEL	No Data Available

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: Water may be used to blanket the fire.

Unusual Fire and Explosion Hazards: No unusual fire or explosion hazards are anticipated.

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Not applicable.

SECTION 7: HANDLING AND STORAGE

7.1 HANDLING

Do not ingest. 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 away from heat. Store out of direct sunlight.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 ENGINEERING CONTROLS

Not applicable.

8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

8.2.1 Eye/Face Protection

Not applicable.

8.2.2 Skin Protection

Gloves not normally required. Avoid prolonged or repeated skin contact. Not applicable.

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 an expected route of exposure.

8.3 EXPOSURE GUIDELINES

None Established

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Odor, Color, Grade:	This is a grey/silver, polyethylene film backed, white PET scrimed Duct tape with a white pigmented Natural rubber PSA
General Physical Form:	Solid
Autoignition temperature	550 - 600 °F
Flash Point	230 - 250 °C
Flammable Limits - LEL	No Data Available
Flammable Limits - UEL	No Data Available
Boiling point	Not Applicable
Density	0.88 - 0.96 g/ml
Vapor Density	Not Applicable
Vapor Density	Negligible
Vapor Pressure	Not Applicable
Vapor Pressure	Negligible
Specific Gravity	0.88 - 0.96 g/ml
pH	Not Applicable
Melting point	98 - 102 °C
Solubility in Water	Negligible
Hazardous Air Pollutants	0.1 - 0.3 % weight
Volatile Organic Compounds	0.1 - 0.3 %
VOC Less H2O & Exempt Solvents	0.0 - 0.01 %

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable.

Materials and Conditions to Avoid: None known

Hazardous Polymerization: Hazardous polymerization will not occur.

Hazardous Decomposition or By-Products

<u>Substance</u>	<u>Condition</u>
Carbon monoxide	Not Specified
Carbon dioxide	Not Specified
None known.	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: Not applicable.

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

SECTION 14: TRANSPORT INFORMATION

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

311/312 Hazard Categories:

Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - No Delayed Hazard - No

STATE REGULATIONS

CHEMICAL INVENTORIES

INTERNATIONAL REGULATIONS

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

SECTION 16: OTHER INFORMATION

Reason for Reissue: Removal of respiratory exposure guidelines for non-respirable component.

Revision Changes:

Copyright was modified.

Section 10: Hazardous polymerization heading was modified.

Section 2: Ingredient table was modified.

Article disclaimer text (following the copyright) was modified.

Section 12: Ecotoxicological information heading was modified.

Section 12: Chemical fate information heading was modified.

Section 16: Reason for reissue comment was added.

Section 15: 311/312 hazard categories heading was added.

Section 15: 311/312 Fire Hazard score was added.

Section 15: 311/312 Pressure Hazard score was added.

Section 15: 311/312 Reactivity Hazard score was added.

Section 15: 311/312 Immediate Hazard score was added.

Section 15: 311/312 Delayed Hazard score was added.

Section 8: Exposure guidelines information - none - was added.

Section 2: Ingredient phrase was added.

Section 16: Reason for reissue heading was added.

Section 12: Ecotoxicological phrase was added.

Section 12: Chemical Fate phrase was added.

Section 8: Exposure guidelines data source legend was deleted.

Section 8: Exposure guidelines ingredient information was deleted.

DISCLAIMER: The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the MSDS available directly from 3M.

3M MSDSs are available at www.3M.com