



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 BRAND #231, 231A PAINT 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: Scotch(r) Paint Masking Tape, 231, is designed specifically for the professional painter and every feature is balanced to provide outstanding masking results. This product is well suited for paint masking on automobiles, aircraft, trucks, and boats.

SECTION 2: INGREDIENTS

| <u>Ingredient</u> | <u>C.A.S. No.</u> | <u>% by Wt</u> |
|-------------------------|-------------------|----------------|
| SATURATED PAPER BACKING | VARIOUS | 55 - 74 |
| NATURAL RUBBER ADHESIVE | VARIOUS | 26 - 45 |

SECTION 3: HAZARDS IDENTIFICATION

3.1 EMERGENCY OVERVIEW

Specific Physical Form: Roll of Tape

Odor, Color, Grade: Tan color with slight odor of natural 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.

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: 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 | 451 °F [<i>Details:</i> Crepe paper is lowest autoignition component.] |
| 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). Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

5.3 PROTECTION OF FIRE FIGHTERS

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).

Unusual Fire and Explosion Hazards: Not applicable. No unusual fire or explosion hazards are anticipated. No unusual effects are anticipated during fire extinguishing operations. Avoid breathing the products and substances that may result from the thermal decomposition of the product or the other substances in the fire zone. Keep containers cool with water spray when exposed to fire to avoid rupture.

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Not applicable. Reclaim undamaged product.

SECTION 7: HANDLING AND STORAGE

7.1 HANDLING

Avoid prolonged or repeated skin contact. Do not ingest. Avoid skin contact with hot material. 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. Avoid contact with oxidizing agents.

7.2 STORAGE

Not applicable. Store under normal warehouse conditions. Store away from oxidizing agents.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 ENGINEERING CONTROLS

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control dust, fume, or airborne particles. If ventilation is not adequate, use respiratory protection equipment.

8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

8.2.1 Eye/Face Protection

Not applicable.

8.2.2 Skin Protection

Wear appropriate gloves, such as Nomex, when handling this material to prevent thermal burns. Gloves not normally required. Avoid skin contact with hot material.

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. 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 ADHESIVE | ACGIH | TWA, as total proteins, inhalable fraction | 0.001 mg/m ³ | Sensitizer; Skin Notation* |
| VEGETABLE OIL MISTS | OSHA | TWA, as mist | 10 mg/m ³ | Table Z-1A |
| VEGETABLE OIL MISTS (EXCEPT CASTOR, CASHEW, OR SIMILAR IRRITANT OILS) | ACGIH | TWA, as mist | 10 mg/m ³ | |

* 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

| | |
|--|---|
| Specific Physical Form: | Roll of Tape |
| Odor, Color, Grade: | Tan color with slight odor of natural rubber. |
| General Physical Form: | Solid |
| Autoignition temperature | 451 °F [<i>Details:</i> Crepe paper is lowest autoignition component.] |
| 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> |
| Vapor Density | <i>Not Applicable</i> |
| Vapor Pressure | <i>Not Applicable</i> |
| Specific Gravity | Approximately 0.85 g/ml |
| pH | <i>Not Applicable</i> |
| Melting point | <i>No Data Available</i> |
| Solubility in Water | Nil |
| Evaporation rate | <i>Not Applicable</i> |
| Volatile Organic Compounds | <i>Not Applicable</i> |
| Percent volatile | <i>Not Applicable</i> |
| VOC Less H₂O & Exempt Solvents | <i>Not Applicable</i> |
| Viscosity | <i>Not Applicable</i> |

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable.

Materials and Conditions to Avoid: Strong oxidizing agents Additional Information: Excessive heat

Hazardous Polymerization: Hazardous polymerization will not occur.

Hazardous Decomposition or By-Products

Substance

Hydrocarbons
Carbon monoxide
Carbon dioxide

Condition

Not Specified
Not Specified
Not Specified

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.

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. Not applicable.

CHEMICAL FATE INFORMATION

Not determined. Not applicable.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose of waste product in a sanitary landfill. Agglomerate and send to sanitary landfill. As a disposal alternative, incinerate in an industrial or commercial facility.

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

SECTION 14: TRANSPORT INFORMATION

ID Number(s):

70-0000-0591-1, 70-0060-0308-4, 70-0060-0309-2, 70-0060-0310-0, 70-0060-0311-8, 70-0060-1582-3, 70-0060-1937-9, 70-0060-3147-3, 70-0060-5226-3, 70-0060-6944-0, 70-0061-2298-3, 70-0063-1006-7, 70-0063-1017-4, 70-0063-2048-8, 70-0063-2049-6, 70-0063-2050-4, 70-0063-2051-2, 70-0063-2052-0, 70-0063-2053-8, 70-0063-2054-6, 70-0063-4689-7, 70-0063-4851-3, 70-0063-4874-5, 70-0063-5590-6, 70-0063-5591-4, 70-0063-5592-2, 70-0063-5593-0, 70-0063-7086-3, 70-0063-7087-1, 70-0063-7089-7, 70-0063-7131-7, 70-0063-7274-5, 70-0063-7346-1, 70-0063-7370-1, 70-0063-7371-9, 70-0063-7385-9, 70-0063-7387-5, 70-0063-7390-9, 70-0063-7391-7, 70-0063-7392-5, 70-0063-7393-3, 70-0063-7515-1, 70-0063-7518-5, 70-0063-7554-0, 70-0063-7594-6, 70-0063-7617-5, 70-0063-7634-0, 70-0063-7653-0, 70-0063-7689-4, 70-0063-7690-2, 70-0063-7691-0, 70-0063-7744-7, 70-0063-7772-8, 70-0063-7788-4, 70-0063-7793-4, 70-0063-7830-4, 70-0063-7867-6, 70-0063-7878-3, 70-0063-7881-7, 70-0063-7955-9, 70-0063-7970-8, 70-0063-7971-6, 70-0063-7972-4, 70-0063-8003-7, 70-0063-8023-5, 70-0063-8024-3, 70-0063-8032-6, 70-0063-8033-4, 70-0063-8056-5, 70-0063-8125-8, 70-0063-8186-0, 70-0063-8196-9, 70-0063-8206-6, 70-0063-8264-5, 70-0063-8319-7, 70-0063-8323-9

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.

311/312 Hazard Categories:

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

STATE REGULATIONS

Contact 3M for more information.

CHEMICAL INVENTORIES

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

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.

Reason for Reissue: The MSDS has been revised because 3M has adopted the 16-section ANSI/ISO format. The potential hazards

of the product have not changed. We encourage you to reread the MSDS and review the 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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