

MATERIAL SAFETY 3M
 DATA SHEET 3M Center
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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: COMMERCIAL GRAPHICS
 TRADE NAME:
 3M(TM) CONTROLTAC(TM) PLUS GRAPHIC FILM SERIES 180
 ISSUED: August 22, 2001
 SUPERSEDES: September 22, 1999
 DOCUMENT: 11-3511-0

1. INGREDIENT	C.A.S. NO.	PERCENT
ADHESIVE COATED PIGMENTED POLYVINYL CHLORIDE FILM WITH LINER.....	None	100.0

Note: Some pigments may contain lead compounds, e.g. lead chromate
 (CAS No. 7758-97-6).

2. PHYSICAL DATA

BOILING POINT:.....	N/A
VAPOR PRESSURE:.....	N/A
VAPOR DENSITY:.....	N/A
EVAPORATION RATE:.....	N/A
SOLUBILITY IN WATER:.....	nil
SPECIFIC GRAVITY:.....	N/D
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

2. PHYSICAL DATA (continued)

APPEARANCE AND ODOR:

Adhesive coated film, pigmented, slight odor

3. FIRE AND EXPLOSION HAZARD DATA

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

EXTINGUISHING MEDIA:

Water spray, 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:

See Hazardous Decomposition section for products of combustion.

NFPA HAZARD CODES: HEALTH: 2 FIRE: 1 REACTIVITY: 0
UNUSUAL REACTION HAZARD: none

OSHA FIRE HAZARD CLASS: Not applicable

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:

None known.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide, Hydrogen Chloride.

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5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:
Not applicable.

RECOMMENDED DISPOSAL:
Dispose of large quantities in a sanitary landfill. Disposal
alternative: Incinerate in an industrial or commercial facility.

ENVIRONMENTAL DATA:
Not determined.

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

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. Since regulations vary, consult
applicable regulations or authorities before disposal. U.S. EPA
Hazardous Waste Number = None (Not U.S. EPA Hazardous).

Note: TCLP statement is based on testing of similar films.

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

6. SUGGESTED FIRST AID

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 signs/symptoms occur,
remove person to fresh air. If signs/symptoms continue, call a
physician.

IF SWALLOWED:
No need for first aid is anticipated.

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7. PRECAUTIONARY INFORMATION

EYE PROTECTION:
Not applicable.

SKIN PROTECTION:
Not applicable.

RECOMMENDED VENTILATION:
Use in a well-ventilated area.

RESPIRATORY PROTECTION:
Not applicable.

PREVENTION OF ACCIDENTAL INGESTION:
Not applicable.

RECOMMENDED STORAGE:
Store out of direct sunlight. Keep container dry.

Store at a temperature of 100 degrees Fahrenheit or less.

FIRE AND EXPLOSION AVOIDANCE:
Not applicable.

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
ADHESIVE COATED PIGMENTED POLYVINYL CHLORIDE FILM WITH LINER.	NONE	NONE	NONE	NONE	

* 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:
- NONE: None Established

8. HEALTH HAZARD DATA

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

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8. HEALTH HAZARD DATA (continued)

SKIN CONTACT:

No adverse health effects are expected from skin contact.

INHALATION:

The odor associated with these films, which is common with vinyl materials, is due to low level residual odor from the manufacturing process. The odor is strongest when a new box is opened or if the films are used in a room without adequate ventilation. This odor has no adverse health effects; however, some people may initially find the odor objectionable and may even feel nauseated from it.

IF SWALLOWED:

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

CANCER:

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

WARNING: Contains a chemical which can cause cancer. (Lead Compounds) (Calif. Proposition 65)

REPRODUCTIVE/DEVELOPMENTAL TOXINS:

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

WARNING: Contains a chemical which can cause birth defects or other reproductive harm.

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.

SECTION CHANGE DATES

HEADING SECTION CHANGED SINCE September 22, 1999 ISSUE

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