

MATERIAL SAFETY 3M
 DATA SHEET 3M Center
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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.

DIVISION: OPTICAL SYSTEMS DIVISION

TRADE NAME:

REFLECTIVE DISPLAY FILM (RDF)/TRANSPARENT DISPLAY FILM (TDF)

ID NUMBER/U.P.C.:

41-5237-3500-3	-	-	-	42-0013-2682-8	-	-	-
42-0013-2683-6	-	-	-	42-0016-7854-1	-	-	-
42-0016-7859-0	-	-	-	42-0016-7866-5	-	-	-

ISSUED: August 30, 2000

SUPERSEDES: August 18, 1998

DOCUMENT: 08-6458-7

1. INGREDIENT	C.A.S. NO.	PERCENT	
THERMOPLASTIC FILM.....	Unknown	70.0	- 85.0
ADHESIVE.....	Unknown	15.0	- 20.0
BLACK COATING.....	Unknown	0.0	- 10.0

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

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

2. PHYSICAL DATA (continued)

VISCOSITY:..... N/A
MELTING POINT:..... N/D

APPEARANCE AND ODOR:
CLEAR,GRAY,OR BLACK ADHESIVE-COATED THERMOPLASTIC FILM

3. FIRE AND EXPLOSION HAZARD DATA

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

EXTINGUISHING MEDIA:
Water spray, Dry chemical

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.

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.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:
Not applicable.

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5. ENVIRONMENTAL INFORMATION (continued)

RECOMMENDED DISPOSAL:

Dispose of waste product in a sanitary landfill. Disposal alternative: Incinerate in an industrial or commercial facility in the presence of a combustible material.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

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

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

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 SWALLOWED:

No need for first aid is anticipated.

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Not applicable.

SKIN PROTECTION:

Not applicable.

RECOMMENDED VENTILATION:

Not applicable.

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7. PRECAUTIONARY INFORMATION (continued)

RESPIRATORY PROTECTION:
Not applicable.

PREVENTION OF ACCIDENTAL INGESTION:
Not applicable.

RECOMMENDED STORAGE:
Not determined.

FIRE AND EXPLOSION AVOIDANCE:
Not applicable.

OTHER PRECAUTIONARY INFORMATION:
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.

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
THERMOPLASTIC FILM.....	NONE	NONE	NONE	NONE	
ADHESIVE.....	NONE	NONE	NONE	NONE	
BLACK COATING.....	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.

No adverse health effects are expected from eye contact.

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

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8. HEALTH HAZARD DATA (continued)

INHALATION:

No adverse health effects are expected from inhalation exposure.

This product may have a characteristic odor; however, no adverse health effects are anticipated.

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.

SECTION CHANGE DATES

HEADING	SECTION CHANGED SINCE August 18, 1998	ISSUE
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