

3M General Offices
3M Center
St. Paul, Minnesota 55144-1000
612/733-1110
Duns No.: 00-617-3082

07-39
10703

MATERIAL SAFETY
DATA SHEET



DIVISION: AUTOMOTIVE TRADES DIVISION
TRADE NAME:
3M SUPER PANEL FILLER - PART A P/N 5930

3M I.D. NUMBER:

ISSUED: AUGUST 12, 1992
SUPERSEDES: AUGUST 6, 1992
DOCUMENT: 10-2837-2

1. INGREDIENT	C.A.S. NO.	PERCENT
1,1'-METHYLENEBIS(ISOCYANATOBENZENE)..	26447-40-5	45.0 - 55.0
POLYMETHYLENE POLYPHENYLENE ISOCYANATE	9016-87-9	45.0 - 55.0
SURFACE ACTIVE AGENT	TradeSecret	1.0 - 10.0

NOTE: P/N 5930 PART A IS USED WITH P/N 5930 PART B

2. PHYSICAL DATA
BOILING POINT:..... >350 F
VAPOR PRESSURE:..... N/D
VAPOR DENSITY:..... > 1.00 Air = 1
EVAPORATION RATE:..... N/D
SOLUBILITY IN WATER:..... REACTS WITH WATER
SP. GRAVITY:..... > 1.000 Water = 1
PERCENT VOLATILE:..... NEGLIGIBLE
VOLATILE ORGANICS:..... N/D
VOC LESS H2O & EXEMPT SOLVENT N/D
pH:..... N/D
VISCOSITY:..... APPROX. 300 CPS AT 25 C
MELTING POINT..... N/D
APPEARANCE AND ODOR: Liquid, dark brown, slightly musty odor

3. FIRE AND EXPLOSION HAZARD DATA
FLASH POINT:..... 390 F PENSKY-MARTENS CLOSED CUP
FLAMMABLE LIMITS - LEL:..... N/D
FLAMMABLE LIMITS - UEL:..... N/D
AUTOIGNITION TEMPERATURE: ... N/D
EXTINGUISHING MEDIA: Water spray, Carbon dioxide, 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: None known.
NFPA-HAZARD-CODES: HEALTH 3 FIRE 0 REACTIVITY 1 UNUSUAL REACTION HAZARD: none

4. REACTIVITY DATA
STABILITY: Stable
INCOMPATIBILITY - MATERIALS TO AVOID: Amines Alcohols Water Reaction with water, alcohols and amines is

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

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4. REACTIVITY DATA (continued)

not hazardous if container can vent to the atmosphere to prevent pressure buildup.
HAZARDOUS POLYMERIZATION: Will Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:
Carbon Monoxide and Carbon Dioxide Oxides of Nitrogen Hydrogen
Cyanide Isocyanates Toxic Vapors, Gases or Particulates

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Call (612) 733-1110 or (612) 733-6100 for 24-hour spill assistance. Contain spill. Evacuate hazard area of unprotected personnel. Pour isocyanate decontaminant solution (90% water, 8% concentrated ammonia, 2% detergent) on spill and allow to react for 10 minutes. Alternatively, pour water on spill and allow to react for more than 30 minutes. Cover with absorbent. Place in an approved drum, but do not seal the drum for 48 hours to avoid possible pressure buildup. Neutralize spill residue with decontaminant solution.

RECOMMENDED DISPOSAL:

Cure product according to product instructions. Mix with flammable material and incinerate in a permitted hazardous waste facility. Dispose of completely cured (or polymerized) material in a sanitary landfill. Dispose of waste product in a facility permitted to accept chemical waste.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

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

SARA HAZARD CLASS:

FIRE HAZARD: No **PRESSURE:** No **REACTIVITY:** Yes **ACUTE:** Yes **CHRONIC:** Yes

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with large amounts of water. Get immediate medical attention.

SKIN CONTACT:

Immediately wash skin with soap and large amounts of water. Remove contaminated clothing. If signs/symptoms occur, call a physician. Wash contaminated clothing before reuse and dispose of contaminated shoes.

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6. SUGGESTED FIRST AID (continued)

INHALATION:

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

IF SWALLOWED:

Do not induce vomiting. Drink two glasses of water. Call a physician.

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Avoid eye contact. Wear vented goggles. Wear safety glasses with side shields.

SKIN PROTECTION:

Avoid skin contact. Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: polyethylene/ethylene vinyl alcohol, polyvinyl alcohol, polytetrafluoroethylene (Teflon), fluoroelastomer (Viton). Use one or more of the following personal protection items as necessary to prevent skin contact: apron, coveralls.

VENTILATION PROTECTION:

Use in a well-ventilated area. Provide sufficient ventilation to maintain emissions below recommended exposure limits. If exhaust ventilation is not adequate, use appropriate respiratory protection.

RESPIRATORY PROTECTION:

Avoid inhalation of vapors. Avoid inhalation of dust created by cutting, sanding or grinding. Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: half-mask supplied air respirator.

PREVENTION OF ACCIDENTAL INGESTION:

Do not ingest.

RECOMMENDED STORAGE:

Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

Keep container tightly closed.

OTHER PRECAUTIONARY INFORMATION:

When grinding or sanding the cured material follow precautions for dusts given in the PART B (Part No. 5930) Material Safety Data Sheet.

INGREDIENTS	EXPOSURE LIMITS		TYPE AUTH	SKIN*
	VALUE	UNIT		
1,1'-METHYLENEBIS(ISOCYANATOBENZENE)..	0.005	ppm	TWA	ACGIH

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



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7. PRECAUTIONARY INFORMATION (continued)

INGREDIENTS	EXPOSURE LIMITS		TYPE AUTH	SKIN*
	VALUE	UNIT		
1,1'-METHYLENEBIS(ISOCYANATOBENZENE)..	0.051	mg/m3	TWA	ACGIH
1,1'-METHYLENEBIS(ISOCYANATOBENZENE)..	0.02	ppm	CEIL	OSHA
1,1'-METHYLENEBIS(ISOCYANATOBENZENE)..	0.2	mg/m3	CEIL	OSHA
POLYMETHYLENE POLYPHENYLENE ISOCYANATE	0.005	ppm	TWA	3M
POLYMETHYLENE POLYPHENYLENE ISOCYANATE	0.02	ppm	STEL	3M
SURFACE ACTIVE AGENT	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:

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- 3M: 3M Medical Department Guideline
- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:

Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

SKIN CONTACT:

Allergic Skin Reaction: signs/symptoms can include redness, swelling, blistering, and itching.

Mild Skin Irritation: signs/symptoms can include redness, swelling, and itching.

INHALATION:

Allergic Respiratory Reaction: signs/symptoms can include difficulty breathing, wheezing, tightness of chest, and respiratory failure.

Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

IF SWALLOWED:

Ingestion may cause:

Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.

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SECTION CHANGE DATES

PRECAUT. INFO. SECTION CHANGED SINCE AUGUST 6, 1992 ISSUE

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

The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this material under normal conditions. Any use of the material which is not in conformance with this Data Sheet or which involves using the material in combination with any other material or any other process is the responsibility of the user.

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MATERIAL SAFETY
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DIVISION: AUTOMOTIVE TRADES DIVISION
TRADE NAME:
 3M SUPER PANEL FILLER - PART B P/N 5930

3M I.D. NUMBER:

ISSUED: AUGUST 12, 1992
SUPERSEDES: AUGUST 6, 1992
DOCUMENT: 10-2862-0

1. INGREDIENT	C.A.S. NO.	PERCENT	
TRIMETHYLOLPROPANE			
POLY(OXYPROPYLENE) TRIETHER	25723-16-4	75.0	- 95.0
POLYPROPYLENE GLYCOL	25322-69-4	15.0	- 25.0
WATER	7732-18-5	1.0	- 5.0
N,N-DIMETHYLCYCLOHEXYLAMINE	98-94-2	0.010	- 0.500

NOTE: P/N 5930 PART B IS USED WITH P/N 5930 PART A

2. PHYSICAL DATA

BOILING POINT:..... N/D
VAPOR PRESSURE:..... N/D
VAPOR DENSITY:..... N/D
EVAPORATION RATE:..... N/D
SOLUBILITY IN WATER:..... SOLUBLE
SP. GRAVITY:..... > 1.000 Water = 1
PERCENT VOLATILE:..... N/D
VOLATILE ORGANICS:..... N/D
VOC LESS H2O & EXEMPT SOLVENT N/D
pH:..... N/D
VISCOSITY:..... APPROX. 600 CPS AT 25 C
MELTING POINT:..... N/D
APPEARANCE AND ODOR: Liquid, white, slight odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 422 F CLOSED CUP
FLAMMABLE LIMITS - LEL:..... N/D
FLAMMABLE LIMITS - UEL:..... N/D
AUTOIGNITION TEMPERATURE:... N/D
EXTINGUISHING MEDIA:
 Water spray, Carbon dioxide, 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:
 None known.
NFPA-HAZARD-CODES: HEALTH 1 FIRE 0 REACTIVITY 1
 UNUSUAL REACTION HAZARD: none

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4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS TO AVOID:

Temperatures greater than 300 F.

HAZARDOUS POLYMERIZATION: Will Not Occur

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide Toxic Vapors, Gases or
Particulates

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Call (612) 733-1110 or (612) 733-6100 for 24-hour spill assistance. Cover with absorbent material. Collect spilled material. Place in a U.S. DOT-approved container and seal.

RECOMMENDED DISPOSAL:

Cure product according to product instructions. Mix with flammable material and incinerate in a permitted hazardous waste facility. Dispose of completely cured (or polymerized) material in a sanitary landfill. Dispose of waste product in a facility permitted to accept chemical waste.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

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

SARA HAZARD CLASS:

FIRE HAZARD: No **PRESSURE:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with large amounts of water. Get immediate medical attention.

SKIN CONTACT:

Flush skin with large amounts of water. If irritation persists, get medical attention.

INHALATION:

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

IF SWALLOWED:

Do not induce vomiting. Drink two glasses of water. Call a physician.



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7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Avoid eye contact. Wear vented goggles. Wear safety glasses with side shields.

SKIN PROTECTION:

Avoid skin contact. Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: polyethylene/ethylene vinyl alcohol, polyvinyl alcohol, polytetrafluoroethylene (Teflon), fluoroelastomer (Viton).

VENTILATION PROTECTION:

Provide appropriate local exhaust for grinding, cutting or sanding cured material. Use in a well-ventilated area. If exhaust ventilation is not adequate, use appropriate respiratory protection.

RESPIRATORY PROTECTION:

Avoid inhalation of vapors. Avoid inhalation of dust created by cutting, sanding or grinding. Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: half-mask dust respirator.

PREVENTION OF ACCIDENTAL INGESTION:

Do not ingest.

RECOMMENDED STORAGE:

Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

Keep container tightly closed.

OTHER PRECAUTIONARY INFORMATION:

When this Part B is used in combination with the Part A, follow the precautions outlined in the 3M Super Panel Filler Part A, (PART NO. 5930) Material Safety Data Sheet. When grinding or sanding the cured material follow recommended precautions for ventilation and respiratory protection for dusts given above.

INGREDIENTS	EXPOSURE LIMITS		TYPE AUTH	SKIN*
	VALUE	UNIT		
TRIMETHYLOLPROPANE				
POLY(OXYPROPYLENE) TRIETHER	NONE	NONE	NONE	NONE
POLYPROPYLENE GLYCOL	NONE	NONE	NONE	NONE
WATER	NONE	NONE	NONE	NONE
N,N-DIMETHYLCYCLOHEXYLAMINE	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.

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7. PRECAUTIONARY INFORMATION (CONTINUED)

SOURCE OF EXPOSURE LIMIT DATA:
- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:

Mild Eye Irritation: signs/symptoms can include redness, swelling, pain, and tearing.

SKIN CONTACT:

Mild Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, and itching.

INHALATION:

No adverse health effects are expected from inhalation exposure.

IF SWALLOWED:

Ingestion may cause:

Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.

SECTION CHANGE DATES

PRECAUT. INFO. SECTION CHANGED SINCE AUGUST 6, 1992 ISSUE

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