

3M Canada Company
1840 Oxford Street East, Post Office Box 5757
London, Ontario N6A 4T1
Medical Emergency Telephone: (519) 451-2500, Ext. 2222
Transportation Emergency Telephone (CANUTEC): (613) 996-6666

=====
Material Safety Data Sheet
=====

Document id : 22-2254-5 Issue date : 2014/06/16
Version : 4.00 Supersedes date : 2011/07/05

Copyright, 1997, 3M Canada 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.

Prepared by: Corporate Regulatory Services, 3M Canada Company
Telephone: (800) 364-3577, Fax: (800) 603-7758, Web Site: www.3M.ca

1 Chemical Product and Company Identification

Tradename:

04240 DURAMIX(TM) 4040 Plastic Repair, Semi-Rigid

Product ID:

62-2643-3830-2 XS-0414-1778-2 41-3701-2131-5 41-0003-6680-1
41-0003-8012-5

Intended Use of Product:

Two-part urethane adhesive/sealant.
Industrial use;

Kit component(s):

22-1785-9 04240 DURAMix(TM) 4040 Plastic Repair, Semi-Rigid (Part
B)
22-1760-2 3M(TM) Duramix(TM) Plastic Repair, Semi-Rigid PNs
4040,04240 Base(Part
A)

Division:

BK - Automotive Aftermarket

3M Canada Company
1840 Oxford Street East, Post Office Box 5757
London, Ontario N6A 4T1
Medical Emergency Telephone: (519) 451-2500, Ext. 2222
Transportation Emergency Telephone (CANUTEC): (613) 996-6666

Material Safety Data Sheet

Document id : 22-1760-2 Issue date : 2014/06/16
Version : 3.00 Supersedes date : 2011/07/05

Copyright, 1997, 3M Canada 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.

Prepared by: Corporate Regulatory Services, 3M Canada Company
Telephone: (800) 364-3577, Fax: (800) 603-7758, Web Site: www.3M.ca

1 Chemical Product and Company Identification

Tradename:
3M(TM) Duramix(TM) Plastic Repair, Semi-Rigid PNs 4040,04240
Base(Part A)
Product ID:

Intended Use of Product:
Industrial use; Two-part urethane adhesive/sealant.
Division:
BK - Automotive Aftermarket

2 Hazards Identification

Critical Hazards:
Severe Eye Irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.
Severe Skin Irritation: signs/symptoms can include localized redness, swelling, itching, dryness, cracking, blistering, and pain.
Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.
Allergic Respiratory Reaction: Signs/symptoms can include difficulty breathing, wheezing, cough, and tightness of chest.
WARNING: Contains a chemical which can cause cancer (1333-86-4) (IARC possible human carcinogen 2B)

Very toxic by inhalation.
See Sections 7 and 11 for further information.

3 Composition/Information on Ingredients

Ingredient Name	CAS Number	Percentage
CASTOR OIL, POLYMER WITH 1,1'- METHYLENEBIS[4-ISOCYANATOBENZENE]	68424-09-9	30 - 60
4,4'-DIPENYLMETHANE DIISOCYANATE	101-68-8	30 - 60
4,4'-DIISOCYANATODIPHENYLMETHANE POLYMER	25686-28-6	10 - 30
ETHOXYLATED PROPOXYLATED GLYCEROL- MDI COPOLYMER	59675-67-1	1 - 5
CARBON BLACK	1333-86-4	0.1 - 1.0

NOTE:

Each percentage is expressed as the ratio of the weight of the ingredient to the weight of the controlled product.

4 First Aid Measures

Instructions for Eye Contact:

Immediately flush eyes with large amounts of water for at least 30 minutes. Get immediate medical attention.

Instructions for Skin Contact:

Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water for at least 20 minutes or until chemical is removed. Get medical attention. Wash contaminated clothing and clean shoes before reuse.

Instructions for Inhalation:

Remove person to fresh air. If signs/symptoms develop, get medical attention.

Instructions for Ingestion:

Do not induce vomiting unless instructed to do so by medical personnel. Get medical attention.

5 Fire Fighting Measures

Flash point: ≥ 143.3 C TCC

Lower Explosive Limit (%): Not applicable

Upper Explosive Limit (%): Not applicable

Autoignition temperature: Not applicable

Suitable Extinguishing Media:

Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

Exposure Hazards during Fire:

No unusual fire or explosion hazards are anticipated.

Combustion Products from Fire:

Carbon monoxide - During Combustion;

Carbon dioxide - During Combustion;

Hydrogen Cyanide - During Combustion;

Oxides of Nitrogen - During Combustion;

Toxic Vapour, Gas, Particulate - During Combustion;

Unusual Fire and Explosion Hazards

None known.

Fire Fighting Procedures:

Water may be used to blanket the fire. Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

6 Accidental Release Measures

Personal Precautions:

Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. Avoid contact with water.

Environmental Procedures

Pour isocyanate decontaminant solution (90% water, 8% concentrated ammonia, 2% detergent) on spill and allow to react for 10 minutes. Or pour water on spill and allow to react for more than 30 minutes.

Cover with absorbent material. Place in a container approved for transportation by appropriate authorities, but do not seal the container for 48 hours to avoid pressure build-up. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Dispose of collected material as soon as possible.

Methods for cleaning up

Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Collect as much of the spilled material as possible. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and MSDS.

Spill Response:

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation,

and personal protective equipment. Call 3M-HELPS line (1-800-364-3577) for more information on handling and managing the spill.

7 Handling and Storage

Storage Requirements:

Store away from areas where product may come into contact with food or pharmaceuticals.

Incompatible Materials:

Store away from acids;
Strong bases;
Water;

Ventilation:

No data available.

Use Instructions:

For industrial or professional use only.
Keep out of the reach of children.

8 Exposure Controls/Personal Protection

Personal Protection

Eye Protection:

Avoid eye contact with vapours, mists, or spray.
The following should be worn alone or in combination, as appropriate, to prevent eye contact:
Indirect vented goggles;

Hand Protection:

Wear appropriate gloves when handling this material.
The following glove material(s) are recommended:
butyl rubber;
nitrile rubber;

Skin Protection:

Avoid skin contact.
Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.

Respiratory Protection:

Avoid breathing of dust created by cutting, sanding, grinding or machining.
Do not breathe vapours.
Consult the current 3M Respirator Selection Guide for additional information or call 1-800-243-4630 (USA) or 1-800-267-4414 (Canada) for 3M technical assistance.

Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations: Half facepiece or fullface air-purifying respirator with organic vapour cartridges.

Ingestion (Prevention):

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

Recommended Ventilation:

Use with appropriate local exhaust ventilation.

Use in an enclosed process area is recommended.

Provide appropriate local exhaust for cutting, grinding, sanding or machining.

Do not use in a confined area or areas with little or no air movement.

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

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

Ingredient Exposure Data

CASTOR OIL, POLYMER WITH 1,1'-METHYLENEBIS[4-ISOCYANATOBENZENE] (68424-09-9)

LD50 (rat, oral) No data available.

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

No data available.

4,4'-DIPENYLMETHANE DIISOCYANATE (101-68-8)

LD50 (rat, oral) 9200 mg/kg

LC50 (rat, inhalation/4 hours) 178 mg/m3

Exposure Limits

3M: STEL Category: FREE ISOCYANATES

3M: TWA Category: FREE ISOCYANATES

ACGIH-TWA: 0.02 ppm 3M: STEL; Category: FREE ISOCYANATES 0.0050

ppm 3M: TWA; Category: FREE ISOCYANATES 0.0050 ppm ACGIH: TWA

0.0050 ppm ACGIH: TWA; Category: Benzene, 1,

1'-methylenebis[4-isocyanato-

4,4'-DIISOCYANATODIPHENYLMETHANE POLYMER (25686-28-6)

LD50 (rat, oral) No data available.

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits


No data available.

ETHOXYLATED PROPOXYLATED GLYCEROL-MDI COPOLYMER (59675-67-1)

LD50 (rat, oral) No data available.

LC50 (rat, inhalation/4 hours)	No data available.
Exposure Limits	
No data available.	
CARBON BLACK (1333-86-4)	
LD50 (rat, oral)	> 15400 mg/kg
LD50 (dermal, rabbit)	> 3 g/kg
LC50 (rat, inhalation/4 hours)	6750 mg/m3
Exposure Limits	
ACGIH: TWA 3.0 mg/m3 (Table A3)	
CMRG: TWA 0.5 mg/m3	
3 mg/m3 ACGIH: TWA; inhalable fraction 0.5 mg/m3 CMRG: TWA	

9 Physical and Chemical Properties

Physical form, Color, Odour:	Liquid; viscous; Black; Low or no detectable odour; Slightly aromatic;
Odour Threshold:	No data available.
pH:	Not applicable
Boiling point/boiling range:	>= 204.4 C
Melting point/melting range:	Not Available
Vapour pressure:	<= 4.0E-6 mmHg at 20 C
Water Solubility:	Negligible
Specific gravity:	1 - 1.2 Water=1
Vapour density:	>= 1 Air=1
Volatile organic compounds:	 0 gms/liter Calculated per SCAQMD Rule 443.1 0 % by weight calculated per CARB title 2
Evaporation rate:	<= 1 Gels with exposure to humidity.
Viscosity:	No data available.
Percent Volatile:	0 % by weight

10 Stability and Reactivity

Conditions to Avoid:
 None known.

Materials to Avoid:
 Water;
 Strong acids;
 Strong bases;

Hazardous Decomposition:
 Carbon monoxide - During Combustion;
 Carbon dioxide - During Combustion;
 Hydrogen Cyanide - During Combustion;

Oxides of Nitrogen - During Combustion;
Toxic Vapour, Gas, Particulate - During Combustion;
Stability and Reactivity:
Stable. Hazardous polymerization will not occur. This material may be reactive with certain agents under certain conditions - see the remaining headings in this section.

11 Toxicological Information

Effects from Eye Contact:

Severe Eye Irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

Effects from Skin Contact:

Severe Skin Irritation: signs/symptoms can include localized redness, swelling, itching, dryness, cracking, blistering, and pain.

Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Effects from Inhalation:

May be harmful if inhaled.

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Allergic Respiratory Reaction: Signs/symptoms can include difficulty breathing, wheezing, cough, and tightness of chest.

Prolonged or repeated exposure may cause:

Respiratory Effects: Signs/symptoms may include cough, shortness of breath, chest tightness, wheezing, increased heart rate, bluish colored skin (cyanosis), sputum production, changes in lung function tests, and/or respiratory failure.

Effects from Ingestion:

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Sensitization Information:

Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Allergic Respiratory Reaction: Signs/symptoms can include difficulty breathing, wheezing, cough, and tightness of chest.

Persons previously sensitized to isocyanates may develop a cross-sensitization reaction to other isocyanates.

Carcinogenicity:

WARNING: Contains a chemical which can cause cancer (1333-86-4) (IARC possible human carcinogen 2B)

Mutagenicity:

No data available.

Reproductive Effects:

No data available.

Component Based Information:

Very toxic by inhalation.

Product Based Information:

No data available.

12 Ecological Information

Environmental Data:

Ecotoxicity Data:

Not determined.

Ecofate Data:

Not determined.

13 Disposal Considerations

Product as Sold:

No data available.

Product Packaging:

No data available.

Special Instructions:

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

14 Transport Information

Transportation of Dangerous Goods

TDG Classification:

Non-Regulated Material (TDG Information is based on the classification for the entire kit and not necessarily this component individually)

Special Instructions:

Not regulated per U.S. DOT, IATA or IMO.

Special Information:: Contact 3M for more information. These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. 3M's transportation classifications are based on product formulation, packaging, 3M policies and 3M's understanding of applicable current regulations. 3M does not guarantee the accuracy of this classification information. This information applies only to transportation classification and not the packaging, labeling, or marking requirements. The original 3M package is certified for Canadian

ground shipment only. If you are shipping by air or ocean, the package may not meet applicable regulatory requirements.

15 Regulatory Information

WHMIS Classification: D1A, D2A, D2B

NOTE:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Product Certifications:

The product on this MSDS, or all its components, is included on the following countries' chemical inventories, as noted:

AICS - Australian Inventory of Chemical Substances

DSL - Domestic Substances List (Canada)

EINECS - European Inventory of Existing Commercial Chemical Substances

CICS - Chinese Inventory of Chemical Substances

TSCA - Toxic Substances Control Act (USA)

16 Other Information

Reason for Reissue:

The following Sections and topics have been updated or revised:

Update Tradename

Section 5 - Fire Fighting Measures

Section 7 - Handling and Storage;

Section 8 - Exposure Controls/Personal Protection;

Section 10 - Stability and Reactivity;

Section 13 - Disposal Considerations;

Section 15 - Regulatory Information: Product Certifications

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, STATUTORY OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION 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.

4040,04240 Base(Part A)

---End---

3M Canada Company
1840 Oxford Street East, Post Office Box 5757
London, Ontario N6A 4T1
Medical Emergency Telephone: (519) 451-2500, Ext. 2222
Transportation Emergency Telephone (CANUTEC): (613) 996-6666

Material Safety Data Sheet

Document id : 22-1785-9 Issue date : 2014/05/30
Version : 3.00 Supersedes date : 2008/09/29

Copyright, 1997, 3M Canada 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.

Prepared by: Corporate Regulatory Services, 3M Canada Company
Telephone: (800) 364-3577, Fax: (800) 603-7758, Web Site: www.3M.ca

1 Chemical Product and Company Identification

Tradename:
04240 DURAMix(TM) 4040 Plastic Repair, Semi-Rigid (Part B)
Product ID:

Intended Use of Product:
Two-part urethane adhesive/sealant.
Industrial use;
Division:
BK - Automotive Aftermarket

2 Hazards Identification

Critical Hazards:
Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Moderate Skin Irritation: Signs/symptoms can include localized redness, swelling, itching, and dryness.

Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

See Sections 7 and 11 for further information.

3 Composition/Information on Ingredients

Ingredient Name	CAS Number	Percentage
Polyether Polyol	9082-00-2	40 - 70
Propoxylated trimethylolpropane	25723-16-4	10 - 30
TETRAKIS (2-HYDROXYPROPYL)	102-60-3	10 - 30
ETHYLENEDIAMINE		
M-XYLENE-ALPHA, ALPHA'-DIAMINE	1477-55-0	1 - 5

NOTE:

Each percentage is expressed as the ratio of the weight of the ingredient to the weight of the controlled product.

4 First Aid Measures

Instructions for Eye Contact:

Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

Instructions for Skin Contact:

Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water for at least 20 minutes or until chemical is removed. Get medical attention. Wash contaminated clothing and clean shoes before reuse.

Instructions for Inhalation:

Remove person to fresh air. If signs/symptoms develop, get medical attention.

Instructions for Ingestion:

Do not induce vomiting unless instructed to do so by medical personnel. Get medical attention.

5 Fire Fighting Measures

Flash point:	>= 143.3 C TCC
Lower Explosive Limit (%):	Not applicable
Upper Explosive Limit (%):	Not applicable
Autoignition temperature:	Not applicable

Suitable Extinguishing Media:

Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

Exposure Hazards during Fire:

Non-flammable: ordinary combustibile material.

Combustion Products from Fire:

Carbon monoxide - During Combustion;
Carbon dioxide - During Combustion;
Oxides of Nitrogen - During Combustion;

Unusual Fire and Explosion Hazards

None known.

Fire Fighting Procedures:

Water may be used to blanket the fire. Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

Special Instructions:

Not applicable.

6 Accidental Release Measures

Personal Precautions:

Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and MSDS.

Environmental Procedures

For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Place in a closed container approved for transportation by appropriate authorities.

Methods for cleaning up

Contain spill. Collect as much of the spilled material as possible. Clean up residue with an appropriate organic solvent.

Spill Response:

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Call 3M-HELPS line (1-800-364-3577) for more information on handling and managing the spill.

7 Handling and Storage

Storage Requirements:

Store away from areas where product may come into contact with food or pharmaceuticals.

Incompatible Materials:

Store away from acids;
Store away from oxidizing agents.

Ventilation:

No data available.

Use Instructions:

For industrial or professional use only. Avoid contact with oxidizing agents.

8 Exposure Controls/Personal Protection

Personal Protection

Eye Protection:

Avoid eye contact with vapours, mists, or spray.
Select and use eye/face protection based on results of an exposure assessment.

Hand Protection:

Wear appropriate gloves when handling this material.
The following glove material(s) are recommended:
butyl rubber;

Skin Protection:

Avoid skin contact.
Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.

Respiratory Protection:

Avoid breathing of vapours, mists or spray.
Avoid breathing of dust created by cutting, sanding, grinding or machining.
Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations:
Half facepiece or fullface air-purifying respirator with organic vapour cartridges.

Ingestion (Prevention):

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

Recommended Ventilation:

Use with appropriate local exhaust ventilation.
Provide appropriate local exhaust for cutting, grinding, sanding or machining.

Ingredient Exposure Data

Polyether Polyol (9082-00-2)

Specific Ingredient Data

No data available.

LD50 (rat, oral)

> 10 g/kg


LC50 (rat, inhalation/4 hours)

No data available.

Exposure Limits



No data available.

Propoxylated trimethylolpropane (25723-16-4)
Specific Ingredient Data
No data available.

04240 DURAMix(TM) 4040 Plastic Repair, Semi-Rigid Page 5 of 9 
(Part B)

LD50 (rat, oral) No data available.
LC50 (rat, inhalation/4 hours) No data available.
Exposure Limits
No data available.
TETRAKIS(2-HYDROXYPROPYL)ETHYLENEDIAMINE (102-60-3)
LD50 (rat, oral) No data available.
LC50 (rat, inhalation/4 hours) No data available.
Exposure Limits
No data available.
M-XYLENE-ALPHA,ALPHA'-DIAMINE (1477-55-0)
Specific Ingredient Data
LD50 (rat, dermal): 2000 mg/kg
LC50 (female rat, inhalation(aerosol)/4 hours): 0.8 mg/l
LD50 (rat, oral) 980 mg/kg
LC50 (rat, inhalation/4 hours) No data available.
Exposure Limits
ACGIH: CEIL (skin contact contributes to exposure) 0.1 mg/m3
ACGIH: CEIL; skin contact contributes to exposure

9 Physical and Chemical Properties

Physical form,Color,Odour:	Liquid; viscous; Clear; slight ammonia-like odour;
Odour Threshold:	No data available.
pH:	Not applicable
Boiling point/boiling range:	>= 210.0 C
Melting point/melting range:	Not Available
Vapour pressure:	Not applicable
Water Solubility:	Negligible
Specific gravity:	1 - 1.1 Water=1
Vapour density:	>= 1 Air=1
Volatile organic compounds:	 5 gms/liter EPA24T 2 gms/liter EPA24T when mixed 1:1 with Part A
Evaporation rate:	<= 1 Water=1
Viscosity:	1,400 - 1,800 centipoise
Percent Volatile:	 0.49 % by weight 0.13 % by weight when mixed 1:1 with Part A

10 Stability and Reactivity

Conditions to Avoid:

None known.

Materials to Avoid:

Strong acids;
Strong oxidizing agents;

Hazardous Decomposition:

Carbon monoxide - During Combustion;
Carbon dioxide - During Combustion;
Oxides of Nitrogen - During Combustion;

Stability and Reactivity:

Stable. Hazardous polymerization will not occur. This material may be reactive with certain agents under certain conditions - see the remaining headings in this section.

11 Toxicological Information

Effects from Eye Contact:

Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Effects from Skin Contact:

Moderate Skin Irritation: Signs/symptoms can include localized redness, swelling, itching, and dryness.
Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Effects from Inhalation:

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Effects from Ingestion:

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Sensitization Information:

Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.
Persons previously sensitized to amines may develop a cross-sensitization reaction to certain other amines.

Carcinogenicity:

No data available.

Mutagenicity:

No data available.

Reproductive Effects:

No data available.

Component Based Information:

No data available.

Product Based Information:

15 Regulatory Information

WHMIS Classification: D2B

NOTE:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Product Certifications:

The product on this MSDS, or all its components, is included on the following countries' chemical inventories, as noted:

PICCS - Philippines Inventory of Commercial Chemical Substances

TSCA - Toxic Substances Control Act (USA)

AICS - Australian Inventory of Chemical Substances

DSL - Domestic Substances List (Canada)

KECI - Korean Existing Chemicals Inventory

16 Other Information

Reason for Reissue:

The following Sections and topics have been updated or revised:

Section 2 - Hazards Identification - Critical Hazards;

Section 4 - First Aid Measures;

Section 6 - Accidental Release Measures;

Section 7 - Handling and Storage;

Section 8 - Exposure Controls/Personal Protection;

Section 9 - Physical and Chemical Properties;

Section 11 - Toxicological Information;

Section 13 - Disposal Considerations;

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, STATUTORY OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION 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.

---End---

