

MATERIAL SAFETY DATA SHEET  
PRC-DeSoto International

Trade Name: PR-1440 A-2, Part A  
Product Identifier: FM0644B  
Preparation Date: 07/02/08

SECTION I - MANUFACTURER AND PRODUCT INFORMATION

Supplier : PRC-DeSoto International Telephone: (905) 629-7999  
A Division of PPG Canada Inc. Emergency only: (613) 996-6666  
5676 Timberlea Blvd.  
Mississauga, Ontario L4W 4M6

Trade Name: PR-1440 A-2, Part A  
Product Identifier: FM0644B  
Product Use: Fuel Tank Sealant-Accelerator  
MSDS ID Number: FM0644B-04  
Other Names: None

Manufacturer: PRC-DeSoto International, Inc. Information Phone: (818) 240-2060  
A PPG Industries Company Emergency Phone : (800) 228-5635  
5430 San Fernando Road  
P.O. Box 1800  
Glendale CA 91209

SECTION II - COMPOSITION

HAZARDOUS INGREDIENTS

INGREDIENT	CAS NUMBER	Wt %
Manganese Dioxide	001313-13-9	30 - 60
Hydrogenated Terphenyl	061788-32-7	10 - 30
Carbon Black	001333-86-4	1 - 5
Terphenyls	026140-60-3	1 - 5
1,3-Diphenyl Guanidine	000102-06-7	1 - 5
Talc	014807-96-6	1 - 5

EXPOSURE LIMITS (ppm)  
ACGIH TLVs OSHA PELs

MATERIAL SAFETY DATA SHEET  
 PRC-DeSoto International

Trade Name: PR-1440 A-2, Part A  
 Product Identifier: FM0644B Preparation Date: 07/02/08

INGREDIENT	CAS NUMBER	TWA	STEL	TWA	STEL	
Manganese Dioxide	001313-13-9	0.2 mg/m3	N/E	5	N/E	S
Hydrogenated Terphenyl	061788-32-7	0.5	N/E	0.5	N/E	S
Carbon Black	001333-86-4	3.5 mg/m3	N/E	3.5 mg/m3	N/E	S
Terphenyls	026140-60-3	0.5	N/E	0.5	N/E	S
1,3-Diphenyl Guanidine	000102-06-7	10 mg/m3	N/E	15 mg/m3	N/E	S
Talc	014807-96-6	2 mg/m3	N/E	2 mg/m3	N/E	S

Footnotes

- (M) Maximum Exposure Limit
- (S) Occupational Exposure Standard
- (R) Supplier's Recommended Limit

The hazards associated with manganese are due to the inhalation of airborne dust. The manganese in this product is fully encapsulated, therefore, airborne particles will not result from normal use.

Carbon black is listed here because it is on the Ingredient Disclosure List. Although in this product, it is fully encapsulated and is not considered to be hazardous to users under normal circumstances.

The main hazard of talc is the inhalation of dust. In this product, talc is fully encapsulated and is not considered to be a hazard under normal use conditions.

N/Av = Not Available = X      N/Ap = Not Applicable  
 N/E = Not Established

MATERIAL SAFETY DATA SHEET  
PRC-DeSoto International

Trade Name: PR-1440 A-2, Part A  
Product Identifier: FM0644B  
Preparation Date: 07/02/08

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SECTION III - HEALTH HAZARD DATA

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Permissible Exposure Limits for Product:  
Not established for product. See Section II.

ROUTE OF ENTRY AND EFFECTS OF OVER-EXPOSURE

- . EYE CONTACT :  
May cause irritation.
- SKIN CONTACT :  
May cause moderate irritation.
- INHALATION:  
Nose and throat irritation.
- INGESTION :  
Intestinal irritation.

OTHER HEALTH EFFECTS:

This material contains no ingredient known or suspected to be a carcinogen, teratogen, mutagen or reproductive toxin unless indicated below. No synergistic materials known unless indicated below.

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SECTION IV - FIRST AID MEASURES

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- EYE CONTACT:  
Flush with luke-warm water for 15 minutes. If irritation persists, consult a physician.
- SKIN CONTACT :  
Wash affected area with soap and water. If irritation persists, consult a physician.
- INHALATION:  
Remove victim from exposure to fresh air. If irritation persists, consult a physician.
- INGESTION:  
Consult a physician

MATERIAL SAFETY DATA SHEET  
PRC-DeSoto International

Trade Name: PR-1440 A-2, Part A  
Product Identifier: FM0644B  
Preparation Date: 07/02/08

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SECTION V - FIRE AND EXPLOSION HAZARD IDENTIFICATION

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FLASHPOINT: N/Ap Method: N/Av  
LEL (%): N/Av  
UEL (%): N/Av  
AUTO-IGNITION TEMPERATURE: N/Av  
CONDITIONS OF FLAMMABILITY:  
Not flammable  
EXTINGUISHING MEDIA:  
CO2, dry chemical, foam, water fog  
SPECIAL FIRE FIGHTING PROCEDURES AND UNUSUAL FIRE HAZARDS:  
Use complete personal protection. Decomposition and combustion  
products may be hazardous. No unusual hazards known.  
EXPLOSION DATA:  
Not sensitive to mechanical impact or to static discharge.

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SECTION VI - ACCIDENTAL RELEASE MEASURES

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STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED:  
Scoop into containers. Clean up residue with suitable cleaning  
solvent.

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SECTION VII - HANDLING AND STORAGE

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:  
Store in closed containers in an area away from any incompatible  
materials. Wash thoroughly before eating, drinking or smoking.

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MATERIAL SAFETY DATA SHEET  
PRC-DeSoto International

Trade Name: PR-1440 A-2, Part A

Product Identifier: FM0644B

Preparation Date: 07/02/08

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SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

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ENGINEERING CONTROLS:

General ventilation to maintain vapours below TWA.

RESPIRATORY PROTECTION:

Not normally required.

EYE PROTECTION:

Safety Glasses.

SKIN PROTECTION:

Chemically resistant gloves.

OTHER PROTECTIVE EQUIPMENT:

During spray applications, complete skin protection should be worn.

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SECTION IX - PHYSICAL CHARACTERISTICS

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Low Boiling Point: N/Av  
High Boiling Point: N/Av  
Odour Threshold (ppm): -1  
Vapour Density: Non-volatile  
Evaporation Rate: Non-volatile  
Vapour Pressure (mm Hg): -1  
Freezing Point: -1  
% Volatiles by volume: 0  
Specific Gravity: 1.88  
Appearance and Odour: Black Paste  
Coefficient of water/oil: -1  
VOC (GR/L): N/Av  
pH: N/Av  
Physical State: Paste

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MATERIAL SAFETY DATA SHEET  
PRC-DeSoto International

Trade Name: PR-1440 A-2, Part A  
Product Identifier: FM0644B  
Preparation Date: 07/02/08

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SECTION X - STABILITY AND REACTIVITY

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STABILITY:

Stable.

INCOMPATIBILITY AND CONDITIONS TO AVOID:

Avoid contact with easily oxidizable materials.

HAZARDOUS DECOMPOSITION PRODUCTS:

Decomposes on combustion producing oxides of carbon and nitrogen,  
manganese compounds.

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SECTION XI - TOXICOLOGICAL PROPERTIES

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INGREDIENT	CAS NUMBER	LD50	LC50
Manganese Dioxide	001313-13-9	14900 mg/kg, oral, rat	N/AV.
Hydrogenated Terphenyl	1061788-32-7	10000 mg/kg, oral, rat	4.7 mg/L, rat, 4hr.
Carbon Black	001333-86-4	500 mg/kg, oral, rat	6750 mg/m3, rat, 4hr.
Terphenyls	026140-60-3	10000 mg/kg, oral, rat	4.7 mg/L, rat, 4hr.
1,3-Diphenyl Guanidine	000102-06-7	350 mg/kg, oral, rat	N/AV.
Talc	014807-96-6	5000 mg/kg, oral, rat	N/AV.

NOTICE:

There are no data available for the product itself.

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SECTION XII - ECOLOGICAL INFORMATION

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NOTICE:

There are no data available for the product itself.

MATERIAL SAFETY DATA SHEET  
PRC-DeSoto International

Trade Name: PR-1440 A-2, Part A  
Product Identifier: FM0644B Preparation Date: 07/02/08

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SECTION XIII - DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD:

Dispose of in compliance with local provincial regulations.

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SECTION XIV - TRANSPORT INFORMATION

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TRANSPORT CANADA DANGEROUS GOODS SHIPPING INFORMATION

PROPER SHIPPING NAME : Not considered "Dangerous Goods"

UN Number : N/Ap

Class : N/Ap

Packing Group : N/Ap

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SECTION XV - REGULATORY INFORMATION

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CEPA DOMESTIC SUBSTANCE LIST STATUS:

All components are listed on the DSL.

WHMIS CLASS(ES):

D2A, D2B

NOTICE:

This MSDS has been prepared in accordance with Canadian Legislation and contains all items required by the Controlled Products Regulations.

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MATERIAL SAFETY DATA SHEET  
PRC-DeSoto International

Trade Name: PR-1440 A-2, Part A

Product Identifier: FM0644B

Preparation Date: 07/02/08

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SECTION XVI - PREPARATION AND OTHER INFORMATION

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Prepared by: Health & Safety Department

Preparation Date: 07/02/08

Revision Reason:

General Update

The information provided herein is, to the best of the manufacturer's knowledge, current, accurate, and complete, based on information reasonably available.

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End of Document





MATERIAL SAFETY DATA SHEET  
PRC-DeSoto International

Trade Name: PR-1440 A-2, Part B  
Product Identifier: FM3986B  
Preparation Date: 07/02/08

SECTION I - MANUFACTURER AND PRODUCT INFORMATION

Supplier : PRC-DeSoto International Telephone: (905) 629-7999  
A Division of PPG Canada Inc. Emergency only: (613) 996-6666  
5676 Timberlea Blvd.  
Mississauga, Ontario L4W 4M6

Trade Name: PR-1440 A-2, Part B  
Product Identifier: FM3986B  
Product Use: Fuel Tank Sealant-Base  
MSDS ID Number: FM3986B-03  
Other Names: None

Manufacturer: PRC-DeSoto International, Inc. Information Phone: (818) 240-2060  
A PPG Industries Company Emergency Phone : (800) 228-5635  
5430 San Fernando Road  
P.O. Box 1800  
Glendale CA 91209

SECTION II - COMPOSITION

HAZARDOUS INGREDIENTS

INGREDIENT	CAS NUMBER	Wt %
Liquid Polysulphide Polymer with Thiol End Groups	068611-50-7	30 - 60
Methyl Ethyl Ketone	000078-93-3	7 - 13
Modified polysulfide polymer	REF00000006	5 - 10
Toluene	000108-88-3	3 - 7
Titanium Dioxide @	013463-67-7	1 - 5

EXPOSURE LIMITS (ppm)  
ACGIH TLVs OSHA PELs

MATERIAL SAFETY DATA SHEET  
PRC-DeSoto International

Trade Name: PR-1440 A-2, Part B  
Product Identifier: FM3986B Preparation Date: 07/02/08

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INGREDIENT	CAS NUMBER	TWA	STEL	TWA	STEL	
Liquid Polysulphide Polymer with Thiol End Groups	068611-50-7	N/E	N/E	N/E	N/E	
Methyl Ethyl Ketone	000078-93-3	200	300	200	300	S
Modified polysulfide polymer	REF00000006	N/E		N/E		
Toluene	000108-88-3	20	N/E	100	N/E	S
Titanium Dioxide @	013463-67-7	10 mg/m3	N/E	10 mg/m3	N/E	S

Footnotes

- (M) Maximum Exposure Limit
- (S) Occupational Exposure Standard
- (R) Supplier's Recommended Limit

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N/Av = Not Available = X      N/Ap = Not Applicable  
N/E = Not Established

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SECTION III - HEALTH HAZARD DATA

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Permissible Exposure Limits for Product:  
Not established for product. See Section II.

ROUTE OF ENTRY AND EFFECTS OF OVER-EXPOSURE

- EYE CONTACT :  
Irritation. May cause burning, tearing and reddening.
- SKIN CONTACT :  
Prolonged or repeated contact may result in irritation, defatting or dermatitis.
- INHALATION:  
Irritation to nose and throat. Prolonged exposure above TWA may cause headache, fatigue, confusion, dizziness, drowsiness, numbness and unconsciousness. Prolonged exposure can cause liver and kidney damage.
- INGESTION :  
May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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PRC-DeSoto International

Trade Name: PR-1440 A-2, Part B  
Product Identifier: FM3986B

Preparation Date: 07/02/08

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OTHER HEALTH EFFECTS:

This material contains no ingredient known or suspected to be a carcinogen, teratogen, mutagen or reproductive toxin unless indicated below. No synergistic materials known unless indicated below.

Toluene:

This product contains toluene. Toluene inhalation in animals (greater than 1500 ppm) and intentional inhalation of toluene containing products by humans (e.g. glue) has caused adverse fetal development effects. It has been reported in occupational studies that inhalation exposures to toluene are associated with reproductive effects including spontaneous abortion. However, the methodology and reliability of the results for the studies are questionable. Several other occupational studies indicated that toluene exposure has been associated with impaired color vision.

Titanium dioxide:

This product contains titanium dioxide. Animals inhaling massive quantities of titanium dioxide dust in a long-term study developed lung tumors. Studies with humans involved in manufacture of this pigment indicate no increased risk of cancer from exposure.

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SECTION IV - FIRST AID MEASURES

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EYE CONTACT:

Flush with luke-warm water for 15 minutes. If irritation persists, consult a physician.

SKIN CONTACT :

Wash affected area with soap and water. If irritation persists, consult a physician.

INHALATION:

Remove victim from exposure to fresh air. If irritation persists, consult a physician.

INGESTION:

Consult a physician

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MATERIAL SAFETY DATA SHEET  
PRC-DeSoto International

Trade Name: PR-1440 A-2, Part B  
Product Identifier: FM3986B

Preparation Date: 07/02/08

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SECTION V - FIRE AND EXPLOSION HAZARD IDENTIFICATION

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FLASHPOINT: 62 F 16.67 C Method: PMCC  
LEL (%): 1.3  
UEL (%): N/Av  
AUTO-IGNITION TEMPERATURE: N/Av

CONDITIONS OF FLAMMABILITY:

Material will burn on exposure to a source of ignition.

EXTINGUISHING MEDIA:

CO2, dry chemical, foam

SPECIAL FIRE FIGHTING PROCEDURES AND UNUSUAL FIRE HAZARDS:

Decomposition and combustion products may be hazardous. Wear an air-supplied respirator and complete personal protection. High temperatures may cause pressure build-up in closed containers. Use water to cool heat exposed containers. Vapours may accumulate in inadequately ventilated or confined areas. Vapours may also travel long distances to a source of ignition. Flashback to the handling site may occur.

EXPLOSION DATA:

Not sensitive to mechanical impact or to static discharge.

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SECTION VI - ACCIDENTAL RELEASE MEASURES

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STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED:

Remove ignition sources. Wear an air supplied respirator for an unventilated spill. Cover with absorbent. Scoop into containers using non-sparking tools. Clean up residue with a suitable cleaning solvent.

MATERIAL SAFETY DATA SHEET  
PRC-DeSoto International

Trade Name: PR-1440 A-2, Part B

Product Identifier: FM3986B

Preparation Date: 07/02/08

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SECTION VII - HANDLING AND STORAGE

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Store in closed containers at temperatures not exceeding 30C in a room or area suitable for the storage of flammable materials. Grounding and bonding procedures should be observed during the transfer of this material and during the storage of opened containers. Empty containers should be handled with the same precautions as provided for full or partial containers. Empty containers may contain residual solvent vapours. Do not cut or puncture empty containers. Do not weld on or near empty drums. Keep away from sources of ignition.

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SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

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ENGINEERING CONTROLS:

Local and/or general ventilation as required to maintain solvent vapours below acceptable limits.

RESPIRATORY PROTECTION:

When spraying or applying in any circumstances likely to produce airborne levels of solvent vapours in excess of the TLV, use an air-supplied respirator.

EYE PROTECTION:

Chemical goggles or a full face shield.

SKIN PROTECTION:

Solvent resistant gloves.

OTHER PROTECTIVE EQUIPMENT:

During spray applications, complete skin protection should be worn.

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MATERIAL SAFETY DATA SHEET  
PRC-DeSoto International

Trade Name: PR-1440 A-2, Part B

Product Identifier: FM3986B

Preparation Date: 07/02/08

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SECTION IX - PHYSICAL CHARACTERISTICS

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Low Boiling Point: 175 F 79.44 C  
High Boiling Point: 350 F 176.65 C  
Odour Threshold (ppm): -1  
Vapour Density: Heavier than air.  
Evaporation Rate: Slower than n-butyl acetate  
Vapour Pressure (mm Hg): -1  
Freezing Point: -1  
% Volatiles by volume: 32.2  
Specific Gravity: 1.412  
Appearance and Odour: Beige Liquid, Solvent Odour  
Coefficient of water/oil: -1  
VOC (GR/L): 186 Combined  
pH: N/Av  
Physical State: Liquid

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SECTION X - STABILITY AND REACTIVITY

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STABILITY:

Stable.

INCOMPATIBILITY AND CONDITIONS TO AVOID:

Avoid contact with strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

Decomposes on combustion producing oxides of carbon and nitrogen,  
SO<sub>2</sub>, traces of H<sub>2</sub>S.

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MATERIAL SAFETY DATA SHEET  
PRC-DeSoto International

Trade Name: PR-1440 A-2, Part B  
Product Identifier: FM3986B  
Preparation Date: 07/02/08

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SECTION XI - TOXICOLOGICAL PROPERTIES

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INGREDIENT	CAS NUMBER	LD50	LC50
Liquid Polysulphide Polymer with Thiol End Groups	068611-50-7	5000 mg/kg, oral, rat	N/AV.
Methyl Ethyl Ketone	000078-93-3	2740 mg/kg, oral, rat	11700 ppm, rat, 4hr.
Modified polysulfide polymer	REF00000006		
Toluene	000108-88-3	2600 mg/kg, oral, rat	8800 ppm, rat, 4hr.
Titanium Dioxide @	013463-67-7	7500 mg/kg, oral, rat	N/AV.

NOTICE:

There are no data available for the product itself.

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SECTION XII - ECOLOGICAL INFORMATION

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NOTICE:

There are no data available for the product itself.

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SECTION XIII - DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD:

Ignitable waste. Dispose of in compliance with local provincial regulations.

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MATERIAL SAFETY DATA SHEET  
PRC-DeSoto International

Trade Name: PR-1440 A-2, Part B  
Product Identifier: FM3986B Preparation Date: 07/02/08

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SECTION XIV - TRANSPORT INFORMATION

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TRANSPORT CANADA DANGEROUS GOODS SHIPPING INFORMATION

PROPER SHIPPING NAME : Adhesives  
UN Number : UN1133  
Class : 3  
Packing Group : II

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SECTION XV - REGULATORY INFORMATION

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CEPA DOMESTIC SUBSTANCE LIST STATUS:

Contains components not listed on the DSL or NDSL.

WHMIS CLASS(ES):

B2, D2A, D2B

NOTICE:

This MSDS has been prepared in accordance with Canadian Legislation and contains all items required by the Controlled Products Regulations.

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MATERIAL SAFETY DATA SHEET  
PRC-DeSoto International

Trade Name: PR-1440 A-2, Part B

Product Identifier: FM3986B

Preparation Date: 07/02/08

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SECTION XVI - PREPARATION AND OTHER INFORMATION

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Prepared by: Health & Safety Department

Preparation Date: 07/02/08

Revision Reason:

General Update

The information provided herein is, to the best of the manufacturer's knowledge, current, accurate, and complete, based on information reasonably available.

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End of Document

