

MATERIAL SAFETY DATA SHEET
PRC-DeSoto International

Trade Name: Pro-Seal 870 C-48, Part A
Product Identifier: FM5523P Preparation Date: 05/29/09

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: Pro-Seal 870 C-48, Part A
Product Identifier: FM5523P
Product Use: Corrosion Inhibitive Sealant-Accelerator
MSDS ID Number: FM5523P-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 %
Manganese Dioxide	001313-13-9	15 - 40
Hydrogenated Terphenyl	061788-32-7	15 - 40
Magnesium Chromate, X-Hydrate	013423-61-5	10 - 30
Terphenyls	026140-60-3	1 - 5
1,3-Diphenyl Guanidine	000102-06-7	1 - 5
Talc	014807-96-6	0.5-1.5

EXPOSURE LIMITS (ppm)
ACGIH TLVs OSHA PELs

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Trade Name: Pro-Seal 870 C-48, Part A
 Product Identifier: FM5523P Preparation Date: 05/29/09

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
Magnesium Chromate, X-Hydrate	013423-61-5	0.05 mg/m3	N/E	0.05 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.

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

SECTION III - HEALTH HAZARD DATA

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.

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Product Identifier: FM5523P

Preparation Date: 05/29/09

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.

Hexavalent chromium compounds are listed by IARC and NTP as being confirmed human carcinogens.

Prolonged exposure to hexavalent chromium compounds over the TWA may cause penetrating ulcers of the mucous membranes or the nose and perforation of the cartilaginous nasal septum.

SECTION IV - FIRST AID MEASURES

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:

Give milk or water, if conscious. Consult a physician.

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SECTION V - FIRE AND EXPLOSION HAZARD IDENTIFICATION

FLASHPOINT: N/App 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.
Wear an air-supplied respirator. Use water to cool heat exposed
containers.
EXPLOSION DATA:
Not sensitive to mechanical impact or to static discharge.

SECTION VI - ACCIDENTAL RELEASE MEASURES

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

SECTION VII - HANDLING AND STORAGE

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.
Strong oxidizer. Avoid contamination with organic materials.

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Product Identifier: FM5523P Preparation Date: 05/29/09

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

General ventilation to maintain vapours below TWA.

RESPIRATORY PROTECTION:

Not normally required. If applying in a confined area, or in other circumstances likely to produce solvent vapours in excess of the TLV, wear an organic vapour cartridge, or an air-supplied respirator.

EYE PROTECTION:

Safety Glasses.

SKIN PROTECTION:

Chemically resistant gloves.

OTHER PROTECTIVE EQUIPMENT:

During spray applications, complete skin protection should be worn.

SECTION IX - PHYSICAL CHARACTERISTICS

Low Boiling Point: 644 F 339.97 C
High Boiling Point: N/Av
Odour Threshold (ppm): N/Av
Vapour Density: Non-volatile
Evaporation Rate: Non-volatile
Vapour Pressure (mm Hg): N/Av
Freezing Point: N/Av
% Volatiles by volume: 0
Specific Gravity: 1.80
Appearance and Odour: Black paste
Coefficient of water/oil: N/Av
VOC (GR/L): N/Av
pH: N/Av
Physical State: Paste

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Trade Name: Pro-Seal 870 C-48, Part A
Product Identifier: FM5523P Preparation Date: 05/29/09

SECTION X - STABILITY AND REACTIVITY

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 and chromium compounds.

SECTION XI - TOXICOLOGICAL PROPERTIES

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.
Magnesium Chromate, X-Hydrate	013423-61-5	5000 mg/kg, oral, rat	N/AV.
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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Trade Name: Pro-Seal 870 C-48, Part A
Product Identifier: FM5523P Preparation Date: 05/29/09

SECTION XII - ECOLOGICAL INFORMATION

NOTICE:

There are no data available for the product itself.

SECTION XIII - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Contains chromates which are leachate toxic. Dispose of in compliance with local provincial regulations.

SECTION XIV - TRANSPORT INFORMATION

TRANSPORT CANADA DANGEROUS GOODS SHIPPING INFORMATION

PROPER SHIPPING NAME : Not considered "Dangerous Goods"

UN Number : N/Ap

Class : N/Ap

Packing Group : N/Ap

MATERIAL SAFETY DATA SHEET
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Product Identifier: FM5523P Preparation Date: 05/29/09

SECTION XV - REGULATORY INFORMATION

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.

SECTION XVI - PREPARATION AND OTHER INFORMATION

Prepared by: Health & Safety Department
Preparation Date: 05/29/09
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.

End of Document



MATERIAL SAFETY DATA SHEET
PRC-DeSoto International

Trade Name: Pro-Seal 870 C-48, Part B
Product Identifier: FM4086C Preparation Date: 05/29/09

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: Pro-Seal 870 C-48, Part B
Product Identifier: FM4086C
Product Use: Corrosion Inhibitive Sealant
MSDS ID Number: FM4086C-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	40 - 70
Toluene	000108-88-3	5 - 10
Titanium Dioxide @	013463-67-7	5 - 10
Amorphous Fumed Silica	067762-90-7	1 - 5
Modified polysulfide polymer	REF00000006	1 - 5

EXPOSURE LIMITS (ppm)
ACGIH TLVs OSHA PELs

MATERIAL SAFETY DATA SHEET
PRC-DeSoto International

Trade Name: Pro-Seal 870 C-48, Part B
Product Identifier: FM4086C Preparation Date: 05/29/09

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	
Toluene	000108-88-3	20	N/E	100	N/E	S
Titanium Dioxide @ Amorphous Fumed Silica	013463-67-7	10 mg/m3	N/E	10 mg/m3	N/E	S
Modified polysulfide polymer	067762-90-7	10 mg/m3	N/E	N/E	N/E	S
	REF00000006	N/E		N/E		

Footnotes

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

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

SECTION III - HEALTH HAZARD DATA

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:
May cause irritation to nose and respiratory tract. Prolonged over-exposure may result in central nervous system depression characterized by headache, dizziness, staggering gait, confusion or unconsciousness.
- INGESTION :
May cause gastrointestinal irritation, nausea, vomiting and

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diarrhea.

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.

SECTION IV - FIRST AID MEASURES

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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Trade Name: Pro-Seal 870 C-48, Part B
Product Identifier: FM4086C Preparation Date: 05/29/09

SECTION V - FIRE AND EXPLOSION HAZARD IDENTIFICATION

FLASHPOINT: 76 F 24.44 C Method: Setflash
LEL (%): N/Av
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.

SECTION VI - ACCIDENTAL RELEASE MEASURES

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.

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Trade Name: Pro-Seal 870 C-48, Part B
Product Identifier: FM4086C Preparation Date: 05/29/09

SECTION VII - HANDLING AND STORAGE

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.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

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.

MATERIAL SAFETY DATA SHEET
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Trade Name: Pro-Seal 870 C-48, Part B
Product Identifier: FM4086C Preparation Date: 05/29/09

SECTION IX - PHYSICAL CHARACTERISTICS

Low Boiling Point: N/Av
High Boiling Point: N/Av
Odour Threshold (ppm): N/Av
Vapour Density: Heavier than air.
Evaporation Rate: Slower than n-butyl acetate
Vapour Pressure (mm Hg): N/Av
Freezing Point: N/Av
% Volatiles by volume: 21.7
Specific Gravity: 1.43
Appearance and Odour: Beige Liquid
Coefficient of water/oil: N/Av
VOC (GR/L): 117.8 Combined
pH: N/Av
Physical State: Liquid

SECTION X - STABILITY AND REACTIVITY

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,
SO₂, traces of H₂S.

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Trade Name: Pro-Seal 870 C-48, Part B
Product Identifier: FM4086C Preparation Date: 05/29/09

SECTION XI - TOXICOLOGICAL PROPERTIES

INGREDIENT	CAS NUMBER	LD50	LC50
Liquid Polysulphide Polymer with Thiol End Groups	068611-50-7	5000 mg/kg, oral, rat	N/AV.
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.
Amorphous Fumed Silica	067762-90-7	5000 mg/kg, oral, rat	4.9 mg/L, rat, 4hr.
Modified polysulfide polymer	REF00000006		

NOTICE:

There are no data available for the product itself.

SECTION XII - ECOLOGICAL INFORMATION

NOTICE:

There are no data available for the product itself.

SECTION XIII - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

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

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Trade Name: Pro-Seal 870 C-48, Part B
Product Identifier: FM4086C Preparation Date: 05/29/09

SECTION XIV - TRANSPORT INFORMATION

TRANSPORT CANADA DANGEROUS GOODS SHIPPING INFORMATION

PROPER SHIPPING NAME: Adhesives
UN Number : UN 1133
Class : 3
Packing Group : III

SECTION XV - REGULATORY INFORMATION

CEPA DOMESTIC SUBSTANCE LIST STATUS:
Contains components not listed on the DSL or NDSL.

WHMIS CLASS(ES):
B2, D2A

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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PRC-DeSoto International

Trade Name: Pro-Seal 870 C-48, Part B
Product Identifier: FM4086C Preparation Date: 05/29/09

SECTION XVI - PREPARATION AND OTHER INFORMATION

Prepared by: Health & Safety Department
Preparation Date: 05/29/09
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.

End of Document

