

MATERIAL SAFETY DATA SHEET

Pro-Seal 870 A-2, Part B
FM4057B

Effective Date: 06/13/08

SECTION I - MANUFACTURER AND PRODUCT INFORMATION

PRC-DeSoto International, Inc.
A PPG Industries Company
12780 San Fernando Road
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CHEMTREC: (800) 424-9300

Trade Name: Pro-Seal 870 A-2, Part B
Base component
Product Code: FM4057B
Form ID No: A08
Product Class: Filled Modified polysulfide resin
Synonyms: P-4057

HMIS HAZARD RATING
HEALTH - 2
FLAMMABILITY - 3
REACTIVITY - 0
PPE - H
None(0)--->Extreme(4)

SECTION II - COMPOSITION

INGREDIENTS INFORMATION

CAS NUMBER	Wt %	CHEMICAL IDENTITY
068611-50-7	30 - 60	Liquid Polysulphide Polymer with Thiol End Groups
000108-88-3	10 - 30	Toluene
013463-67-7	< 5	Titanium Dioxide @
REF00000006	< 5	Modified polysulfide polymer
028470-78-2	< 5	Formaldehyde polymer w/ 3-Chloro-1-Propene & Phenol

EXPOSURE LIMITS

CAS NUMBER	EXPOSURE LIMITS (ppm)				
	ACGIH TLVs		OSHA PELs		
	TWA	STEL	TWA	STEL	
068611-50-7	N/E	N/E	N/E	N/E	
000108-88-3	20	N/E	100	N/E	S
013463-67-7	10 mg/m3	N/E	10 mg/m3	N/E	S
REF00000006	N/E	N/E	N/E	N/E	
028470-78-2	N/E	N/E	N/E	N/E	

Footnotes

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

N/Av = Not Available N/Ap = Not Applicable
N.E. = Not Established NotknownXXX = CAS Number is not known.

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SECTION III - HAZARDS IDENTIFICATION

Permissible Exposure Limits for Product:

Not established for product. See Section II.

ROUTE OF ENTRY AND EFFECTS OF OVEREXPOSURE

ROUTE OF ENTRY:

Inhalation and dermal.

INHALATION:

Vapor and mist will irritate nose, throat and respiratory tract.
High vapor concentration may cause dizziness, drowsiness and
fatigue.

EYE CONTACT:

Vapor, mist or liquid is severely irritating to eyes and cause
blurred vision, redness and tearing.

SKIN CONTACT:

Liquid can cause severe skin irritation with drying, defatting,
splitting and cracking on repeated contact.

INGESTION:

Liquid can cause irritation of gastro-intestinal tract followed by
nausea and vomiting, abdominal discomfort, and rapid pulse.

DELAYED EFFECTS:

Repeated overexposure may cause central nervous system depression,
kidney/liver damage, birth defects and reproductive toxicity.

Contains an ingredient listed as known or suspected carcinogen?

NTP: No OSHA: No IARC: Yes

SECTION IV - FIRST AID MEASURES

INHALATION:

If inhaled, remove from area to fresh air. If not breathing, give
artificial respiration. Get immediate medical attention. If
breathing is difficult, transport to medical facility and, if
available, give supplemental oxygen.

EYE CONTACT:

For eye contact, immediately flush eyes for at least 15 minutes
with running water. Hold eyelids apart to ensure rinsing of the
entire eye surface and lids with water. Get immediate medical
attention.

SKIN CONTACT:

For skin contact, wipe excess material with dry towel. Then wash

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exposed areas with plenty of water, and soap if available, for several minutes. Get medical attention if irritation occurs.

INGESTION:

If swallowed dilute by giving two(2) glasses of water to drink. Get immediate medical attention. Never give anything by mouth to an unconscious person.

GENERAL:

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

SECTION V - FIRE AND EXPLOSION HAZARD IDENTIFICATION

FLASHPOINT: 68 F 20 C Method: Setflash

LEL (%): 1.0 UEL (%): N/Av

FLAMMABILITY CLASSIFICATION:

Flammable

FIRE AND EXPLOSION HAZARDS:

Decomposition and combustion products may be hazardous. High temperatures may cause pressure build-up in closed containers. Vapors may accumulate in inadequately ventilated or confined areas. Vapors may form explosive mixture with air. Vapors are heavier than air and may travel long distances. Flashback or flame to the handling site may occur. Closed containers may explode when exposed to extreme heat.

EXTINGUISHING MEDIA:

Carbon dioxide, dry chemical, foam.

FIRE FIGHTING PROCEDURES:

Water spray may be ineffective. Cool fire exposed containers with water. Fog nozzles are preferable. Wear NIOSH/MSHA approved self-contained breathing apparatus and complete protective clothing to prevent contact with skin and eyes.

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SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Remove all 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. Wear appropriate personal protective equipment (See Section VIII).

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Keep container tightly closed. Isolate from heat, electrical equipment, sparks and flame. Use grounding and bonding procedures during transfer. Do not store above 120 degrees F. Vapors of this product are heavier than air and may collect in low or confined areas. Empty drums may contain explosive vapors. Do not cut, puncture, or weld on or near drum. Wear proper personal protective equipment (See Section VIII). Wash thoroughly after handling and before smoking or eating.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Local and/or general ventilation as required to maintain hazardous ingredients below recommended (ACGIH-TLV) or regulated (OSHA-PEL) limits.

RESPIRATORY PROTECTION:

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

EYE PROTECTION:

Chemical goggles or full-face shield.

SKIN PROTECTION:

Solvent resistant gloves.

GENERAL:

Safety shower, eye wash station and washing facilities should be available. When using in circumstances where skin contact is likely, use complete protective garments.

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SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White
Physical State: Liquid
Low Boiling Point: N/Av
High Boiling Point: N/Av
Evaporation Rate: Slower than n-butyl acetate
Vapor Density: Heavier than air
% Volatiles by Volume: 18.7
Specific Gravity: 1.51
Liquid Density: Heavier than water
Weight Per Gallon: 12.54
VOC (GR/L): 219
VOC (GR/L, Combined): 194

SECTION X - STABILITY AND REACTIVITY

STABILITY:

Stable.

HAZARDOUS POLYMERIZATION:

Will not occur.

INCOMPATIBILITY:

Strong oxidizing agents.

CONDITIONS TO AVOID:

See incompatibilities above.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of carbon, sulfur dioxide, traces of hydrogen sulfide.

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SECTION XI - TOXICOLOGICAL INFORMATION

ACUTE ORAL, DERMAL AND INHALATION EFFECTS (LD50 AND LC50):

CAS NUMBER	LD50	LC50
068611-50-7	5000 mg/kg, oral, rat	N/AV.
000108-88-3	2600 mg/kg, oral, rat	8800 ppm, rat, 4hr.
013463-67-7	7500 mg/kg, oral, rat	N/AV.
REF00000006	N/Av	N/Av
028470-78-2	N/AV.	N/AV.

Carcinogenicity:

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.

Teratogenicity:

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.

NOTICE:

There are no data available on the product itself.

SECTION XII - ECOLOGICAL INFORMATION

NOTICE:

There are no data available on the product itself.

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SECTION XIII - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

When disposing of this material, ensure that it is packaged, stored, transported, and otherwise handled in accordance with local, state, and federal regulations.

EPA WASTE NUMBERS:

D-001 (Ignitable)

SECTION XIV - TRANSPORT INFORMATION

DOT (Non-Bulk):

PROPER SHIPPING NAME: Adhesives
HAZARD CLASS: 3
UN NUMBER: UN 1133
PACKING GROUP: II
LABEL: Flammable liquid

SPECIAL NOTES:

If package size is < 6.6 gallons, then Packing Group III according to 49 CFR 173.121(b) and IATA 3.3.3.

SECTION XV - REGULATORY INFORMATION

TSCA Section 8(b) - Inventory Status:

All ingredients in this product are listed in the TSCA Inventory or are exempt from listing.

CANADIAN EPA - DSL Inventory Status:

Contains components not listed on the DSL or NDSL.

SARA Title III Section 313 - Toxic Chemical List (TCL):

This product contains a toxic chemical for routine annual "Toxic Chemical Release Reporting" under Section 313 (40 CFR 372). This information must be included in all MSDS's copied or distributed for this product.

000108-88-3 Toluene

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SARA Title III Section 302 - CERCLA:

This product contains the following chemicals regulated under Section 302 as extremely hazardous substance(s) for emergency release notification (CERCLA List).

000108-88-3 Toluene 1000

CALIFORNIA PROPOSITION 65 - Reportable ingredients:

Chemicals known by the state of CA to cause cancer:

This product contains the following chemical which is known to the state of California to cause cancer.

000050-00-0 Formaldehyde
000071-43-2 Benzene

Chemicals known by the state of CA to cause reproductive toxicity:

This product contains the following chemical which is known to the state of California to cause reproductive toxicity.

000071-43-2 Benzene
000108-88-3 Toluene

TSCA Section 12(b) - Export Notification:

This product contains following chemical that required annual or one time export notification per chemical and per country.

000108-95-2 Phenol

CLEAN AIR ACT - Hazardous Air Pollutants (CAA Section 112):

This product contains the following chemicals regulated under Section 112 for National Emission Standards of Hazardous Air Pollutants notification.

000050-00-0 Formaldehyde
000071-43-2 Benzene
000108-88-3 Toluene
000108-95-2 Phenol

Pennsylvania Right to Know - Reportable Ingredients:

The following is required composition information. Also, review Section II for additional information for other chemicals.

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000050-00-0	Formaldehyde
000071-43-2	Benzene
000108-88-3	Toluene
000137-26-8	Tetramethylthiuram Disulfide
001317-65-3	Limestone
013463-67-7	Titanium Dioxide @

New Jersey Right to Know - Reportable Ingredients:
The following is required composition information. Also, review
Section II for additional information for other chemicals.

000108-88-3	Toluene
013463-67-7	Titanium Dioxide @

SECTION XVI - OTHER INFORMATION

Effective Date: 06/13/08 Supersedes Date: 02/06/2002
Revision Number: 04
Revision Reason: TiO2 & Toluene Update

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