MATERIAL	SAFETY	DATA	SHEET

PR-1773 B-2, Part A

FM0644AH Effective Date: 10/06/2000

# SECTION I - MANUFACTURER AND PRODUCT INFORMATION

PRC-DeSoto International, Inc.

A PPG Industries Company 5430 San Fernando Road

P.O. Box 1800

Glendale, CA 91209

Information Phone: (818) 240-2060

Emergency Phone: (800) 228-5635

CHEMTREC: (800) 424-9300

Trade Name: PR-1773 B-2, Part A

Accelerator component

Product Code: FM0644AH

Form ID No: A24

1121

Product Class: Manganese dioxide dispersion

Synonyms:

HMIS HAZARD RATING

HEALTH - 1 FLAMMABILITY - 1

REACTIVITY - PPE -

None(0)--->Extreme(4)

# SECTION II - COMPOSITION

#### INGREDIENTS INFORMATION

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

# EXPOSURE LIMITS (ppm)

	ACGIH '	ΓLVs	OSHA PELs		
CAS NUMBER	TWA	STEL	TWA	STEL	
001313-13-9	0.2  mg/m3	N/E	5 .	N/E	S
061788-32-7	0.5	N/E	0.5	N/E	S
001333-86-4	3.5  mg/m3	N/E	3.5  mg/m3	N/E	S
026140-60-3	0.5	N/E	0.5	N/E	S
000102-06-7	10  mg/m3	N/E	15  mg/m3	N/E	S
014807-96-6	2 mg/m3	N/E	2  mg/m3	N/E	S

# Footnotes

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

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1

Continued

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N/Av = Not Available N/Ap = Not Applicable

N.E. = Not Established NotknownXXX = CAS Number is not known.

#### 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 or fume will irritate the nose and throat.

EYE CONTACT:

Vapor or fume can irritate the eyes.

SKIN CONTACT:

Substance can cause moderate irritation.

INGESTION:

Ingestion can cause irritation of gastro-intestinal tract.

Contains an ingredient listed as known or suspected carcinogen?

OSHA: No IARC: Yes NTP: No

#### 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 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

Page Number

Continued

PR-1773 B-2, Part A FMO644AH  Effective Date: 10/06/2000  immediate medical attention. Never give anything by mouth to an unconscious person.  GENERAL:  In all cases of doubt, or when symptoms persist, sock medical attention. Never give anything by mouth to an unconscious person.  SECTION V - FIRE AND EXPLOSION HAZARD IDENTIFICATION  SECTION V - FIRE AND EXPLOSION HAZARD IDENTIFICATION  FLASHPOINT: N/App Method: Not Applicable  ELE (%): N/Av UEL (%): N/Av  FLAHMABILITY CLASSIFICATION: Not flammable.  FIRE AND EXPLOSION HAZARDS:  Decomposition and combustion products may be hazardous. No unusual hazards known.  EXTINGUISHING MEDIA:  Carbon dioxide, dry chemical, foam, water fog.  FIRE FIGHTING PROCEDURES:  Use complete personal protection. Use water to cool heat exposed containers.  SECTION VI - ACCIDENTAL RELEASE MEASURES  SECTION VI - ACCIDENTAL RELEASE MEASURES  SECTION VI - ACCIDENTAL RELEASE MEASURES  SECTION VII - HANDLING AND STORAGE  Cover with absorbent material if necessary. Scoop into containers.  Clean up residue with a suitable cleaning solvent. Wear appropriate personal protective equipment (See Section VIII).  SECTION VII - HANDLING AND STORAGE  Keep container tightly closed. Store in a dry location. Wear proper personal protective equipment (See Section VIII). Wash thoroughly after handling and before smoking or cating.					•
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#### MATERIAL SAFETY DATA SHEET

PR-1773 B-2, Part A

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Good general mechanical ventilation.

RESPIRATORY PROTECTION:

Not normally required.

EYE PROTECTION:

Safety glasses.

SKIN PROTECTION:

Chemically 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.

# SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Black
Physical State: Paste
Low Boiling Point: N/Av
High Boiling Point: N/Av

Evaporation Rate: Non-volatile Vapor Density: Non-volatile

% Volatiles by Volume: 0
Specific Gravity: 1.88

Liquid Density: Heavier than water

Weight Per Gallon: 15.62 VOC (GR/L): N/Av VOC (GR/L, Combined): N/Av

SECTION X - STABILITY AND REACTIVITY

STABILITY:

Stable.

HAZARDOUS POLYMERIZATION:

Will not occur.

INCOMPATABILITY:

Easily oxidizable materials.

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#### CONDITIONS TO AVOID:

See incompatibilities above.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of carbon and nitrogen, manganese compounds.

#### SECTION XI - TOXICOLOGICAL INFORMATION

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

CAS NUMBER	LD50	LC50
001313-13-9	14900 mg/kg,oral,rat	N/AV.
061788-32-7	10000 mg/kg,oral,rat	4.7 mg/L, rat, 4hr.
001333-86-4	440 mg/kg,oral,rat	6750 mg/m3,rat,4hr.
026140-60-3	10000 mg/kg,oral,rat	4.7 mg/L,rat,4hr.
000102-06-7	350 mg/kg,oral,rat	N/AV.
014807-96-6	5000 mg/kg,oral,rat	N/AV.

# Carcinogenicity:

Carbon Black:

Based on an IARC conclusion that there is "sufficient evidence in experimental animals for the carcinogenicity of carbon black" and inadequate evidence of carcinogenicity in humans. IARC's overall evaluation is that "carbon black is possibly carcinogenic to humans" (Group 2B).

Carbon black has not been listed as a carcinogen by National Toxicology Program (NTP) or the Occupational Safety and Health Administration (OSHA). The National Institute of Occupational Safety & Health (NIOSH) criteria document on carbon black recommends that only carbon blacks with PAH levels greater than 0.1% be considered suspect carcinogens.

NOTICE	:
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There	are	no	data	availabl	e on	the	product	itself.		

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Continued

	RIAL SAFETY DATA SHEET
PR-1773 B-2, Part A FM0644AH	Effective Date: 10/06/2000
	XII - ECOLOGICAL INFORMATION
NOTICE: There are no data available	
SECTION	XIII - DISPOSAL CONSIDERATIONS
	rial, ensure that it is packaged, herwise handled in accordance with egulations.
SECTION	XIV - TRANSPORT INFORMATION
HAZARD CLASS: No	t regulated t Applicable t Available
SECTION	XV - REGULATORY INFORMATION
TSCA Section 8(b) - Inventory S All ingredients in this pro are exempt from listing.	tatus: duct are listed in the TSCA Inventory or
CANADIAN EPA - DSL Inventory St The DSL status of this prod	atus: uct is unknown at this time.
Chemical Release Reporting"	xic Chemical List (TCL): ic chemical for routine annual "Toxic under Section 313 (40 CFR 372). This d in all MSDS's copied or distributed

Continued

PR-1773 B-2, Part A FM0644AH

Effective Date: 10/06/2000

001313-13-9 Manganese Dioxide

# SARA Title III Section 302 - CERCLA:

This product contains no chemical regulated under Section 302 as extremely hazardous chemicals for emergency release notification (CERCLA List).

# CALIFORNIA PROPOSITION 65 - Reportable ingredients:

Chemicals known by the state of CA to cause cancer:

This product does not contain any chemicals currently on the California list of known carcinogens.

Chemicals known by the state of CA to cause reproductive toxicity: This product does not contain any chemicals currently on the California list of known Reproductive Toxins.

# TSCA Section 12(b) - Export Notification:

This product does not contain any chemicals subject to Section 12(b) export notification.

# 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.

001313-13-9 Manganese Dioxide

# Pennsylvania Right to Know - Reportable Ingredients:

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

001310-73-2	Sodium Hydroxide
001333-86-4	Carbon Black
014807-96-6	Talc
026140-60-3	Terphenyls
061788-32-7	Hydrogenated Terphenyl

New Jersey Right to Know - Reportable Ingredients:
The following is required composition information. Also

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

PR-1773 B-2, Part A

001313-13-9 Manganese Dioxide

001333-86-4 Carbon Black

014807-96-6 Talc

#### SECTION XVI - OTHER INFORMATION

Effective Date: 10/06/2000 Supersedes Date: 11/30/1998

Revision Number: 01

The information in this MSDS was obtained from sources which we believe to be reliable. However, since much of the information has been received from sources outside the company, it is provided without any warranty, expressed or implied, regarding its correctness, or suitability for specific situations. The conditions of handling, storage, use, and disposal of this product are beyond our control and may be beyond our knowledge. The user has the sole responsibility to determine the suitability of the material for any use, and the manner and conditions of use. Therefore, we cannot assume responsibility and expressly disclaim liability for loss, damage, injury, or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. Effects can be aggravated by other materials and/or this material may aggravate or add to the effects of other materials.

End of Document

PR-1773 B-2, Part B

FM5248A Effective Date: 12/01/03

# SECTION I - MANUFACTURER AND PRODUCT INFORMATION

PRC-DeSoto International, Inc.

A PPG Industries Company Information Phone: (818) 240-2060 5430 San Fernando Road Emergency Phone: (800) 228-5635 Outside of USA: + (651) 632-9265 P.O. Box 1800 Glendale, CA 91209 CHEMTREC:

Trade Name: PR-1773 B-2, Part B

Base component HMIS HAZARD RATING

Product Code: FM5248A HEALTH -Form ID No: A02 FLAMMABILITY - 1 Product Class: Filled Modified polysulfide resin REACTIVITY -

Synonyms: P-5248 PPE -

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
	001317-65-3	10 - 30	Limestone
	013463-67-7	1 - 10	Titanium Dioxide @
	Notknown007	< 5	Polysiloxane
	REF0000011	< 5	Modified Zinc phosphosilcate
	007779-90-0	< 5	Zinc Phosphate

#### EXPOSURE LIMITS EXPOSURE LIMITS (ppm)

	ACGIH	TLVs	OSHA P	ELs	
CAS NUMBER	TWA	STEL	TWA	STEL	
068611-50-7	N/E	N/E	N/E	N/E	
001317-65-3	10 mg/M3	N/E	15  mg/M3	N/E	S
013463-67-7	10  mg/m3	N/E	10  mg/m3	N/E	S
Notknown007	N/E	N/E	N/E	N/E	
REF0000011	N/E	N/E	N/E	N/E	
007779-90-0	N/E	N/E	N/E	N/E	

#### Footnotes

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

Page Number

Continued

(800) 424-9300

MATERIAL SAFETY DATA SHEET

PR-1773 B-2, Part B

FM5248A

Effective Date: 12/01/03

N/Av = Not Available

N/Ap = Not Applicable

N.E. = Not Established NotknownXXX = CAS Number is not known.

#### 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 or fume will irritate the nose and throat.

EYE CONTACT:

Vapor or fume can irritate the eyes.

SKIN CONTACT:

Substance can cause moderate irritation.

INGESTION:

Ingestion can cause irritation of gastro-intestinal tract. Contains an ingredient listed as known or suspected carcinogen?

NTP: No OSHA: No IARC: No

# 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 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

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MATERIAL SA	FETY DATA SHEET
PR-1773 B-2, Part B FM5248A	Effective Date: 12/01/03
immediate medical attention. Never unconscious person.	give anything by mouth to an
GENERAL:  In all cases of doubt, or when attention. Never give anything	symptoms persist, seek medical by mouth to an unconscious person.
SECTION V - FIRE AND EXP	LOSION HAZARD IDENTIFICATION
FLASHPOINT: > 200 F LEL (%): N/Av FLAMMABILITY CLASSIFICATION:	Method: Setaflash UEL (%): N/Av
Not flammable.  FIRE AND EXPLOSION HAZARDS:  Decomposition and combustion produ  hazards known.  EXTINGUISHING MEDIA:  Carbon diexide dry chemical form	
Carbon dioxide, dry chemical, foam FIRE FIGHTING PROCEDURES:  Use complete personal protection. containers.	
SECTION VI - ACCIDE	NTAL RELEASE MEASURES
STEPS TO BE TAKEN IF MATERIAL IS RELEA Cover with absorbent material if n Clean up residue with a suitable c appropriate personal protective eq	ecessary. Scoop into containers. leaning solvent. Wear
SECTION VII -	HANDLING AND STORAGE
PRECAUTIONS TO BE TAKEN IN HANDLING AN Keep container tightly closed. Storoger personal protective equipment thoroughly after handling and before	ore in a dry location. Wear nt (See Section VIII). Wash

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SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

SECTION VIII ENTOSONE CONTROLS/FERSONE FROIDCITON

ENGINEERING CONTROLS:

Good general mechanical ventilation.

RESPIRATORY PROTECTION:

Wear respirator (MSHA/NIOSH or approved equivalent) suitable for concentrations and types of air contaminants encountered.

EYE PROTECTION:

Safety glasses.

SKIN PROTECTION:

Chemically 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: Red

Physical State: Thixotropic paste

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: 0
Specific Gravity: 1.56

Liquid Density: Heavier than water

Weight Per Gallon: 13
VOC (GR/L): N/App
VOC (GR/L, Combined): N/App

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MATERIAL SAFETY DATA SHEET		
PR-1773 B-2, Part FM5248A		Effective Date: 12/01/03
	SECTION X - STABILITY	AND REACTIVITY
STABILITY:	•	
Stable. HAZARDOUS POLYMERIZA	Τ Λ ΝΙ •	
Will not occur.	I I ON.	
NCOMPATABILITY:	•	
<del>-</del>	agents, strong acids.	
CONDITIONS TO AVOID: See incompatibil	•	
AZARDOUS DECOMPOSIT		
Oxides of carbon	and nitrogen, sulfur dio	xide, traces of hydrogen
sulfide.		
	<b></b>	<b></b>
	SECTION XI - TOXICOLO	GICAL INFORMATION
	<b></b>	
ACUTE ORAL, DERMAL A	ND INHALATION EFFECTS (LD.	50 AND LC50) •
CAS NUMBER	LD50	LC50
068611-50-7	5000 mg/kg,oral,rat	N/AV.
001317-65-3	6450 mg/kg,oral,rat	N/AV.
013463-67-7	7500 mg/kg,oral,rat	N/AV.
Notknown007	N/AV.	N/AV.
REF00000011 007779-90-0	N/E 5000 mg/kg,oral,rat	N/E N/AV.
		N/AV. 
• •	· •	
NOTICE:		
There are no dat	a available on the product	t itself. 
		· ^
<i></i>	SECTION XII - ECOLOGIO	CAL INFORMATION
	•	
NOTICE:		
There are no dat	a available on the product	t itself.
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Page Number		
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MATERIAL SAFETY DATA SHEET PR-1773 B-2, Part B FM5248A Effective Date: 12/01/03 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. SECTION XIV - TRANSPORT INFORMATION (Non-Bulk): PROPER SHIPPING NAME: Not regulated HAZARD CLASS: Not Applicable UN NUMBER: Not Available SPECIAL NOTES: None 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: The DSL status of this product is unknown at this time. 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. 001103-38-4 Barium Compounds

007779-90-0 Zinc Phosphate

Modified Zinc phosphosilcate REF00000011

SARA Title III Section 302 - CERCLA:

This product contains no chemical regulated under Section 302 as extremely hazardous chemicals for emergency release notification (CERCLA List).

PR-1773 B-2, Part B

FM5248A Effective Date: 12/01/03

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.

014808-60-7 Crystalline Silica Quartz

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.

000108-88-3 Toluene

TSCA Section 12(b) - Export Notification:

This product does not contain any chemicals subject to Section 12(b) export notification.

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.

000108-88-3 Toluene

Pennsylvania Right to Know - Reportable Ingredients:

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

001314-13-2 Zinc Oxide

013463-67-7

001317-65-3 Limestone

New Jersey Right to Know - Reportable Ingredients:

Titanium Dioxide @

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

013463-67-7 Titanium Dioxide @

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PR-1773 B-2, Part B FM5248A

Effective Date: 12/01/03

# SECTION XVI - OTHER INFORMATION

Effective Date: 12/01/03 Supersedes Date: 12/05/2000

Revision Number: 02

Revision Reason: Formula Update

The information in this MSDS was obtained from sources which we believe to be reliable. However, since much of the information has been received from sources outside the company, it is provided without any warranty, expressed or implied, regarding its correctness, or suitability for specific situations. The conditions of handling, storage, use, and disposal of this product are beyond our control and may be beyond our knowledge. The user has the sole responsibility to determine the suitability of the material for any use, and the manner and conditions of use. Therefore, we cannot assume responsibility and expressly disclaim liability for loss, damage, injury, or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. Effects can be aggravated by other materials and/or this material may aggravate or add to the effects of other materials.

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