

MATERIAL SAFETY DATA SHEET

PRC 469 FM, Part A  
FM5667

Effective Date: 11/18/04

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  
Outside of USA: +(651) 632-9265  
CHEMTREC: (800) 424-9300

Trade Name: PRC 469 FM, Part A  
Accelerator component  
Product Code: FM5667  
Form ID No: XX1  
Product Class: Manganese dioxide dispersion  
Synonyms: S-5667

HMIS HAZARD RATING  
HEALTH - 2  
FLAMMABILITY - 1  
REACTIVITY - 0  
PPE - G  
None(0)---->Extreme(4)

SECTION II - COMPOSITION

INGREDIENTS INFORMATION

CAS NUMBER	Wt %	CHEMICAL IDENTITY
001313-13-9	10 - 30	Manganese Dioxide
007439-96-5	10 - 30	Manganese Compound
061788-76-9	10 - 30	Chlorinated Paraffin
068515-47-9	10 - 30	1,2-Benzenedicarboxylic Acid, Di-C11-14 Branched Alkl Ester
001314-13-2	< 5	Zinc Oxide
001344-28-1	< 5	Aluminum Oxide
068515-45-7	< 5	Di-L-Nonyl Phthalate
014808-60-7	< 5	Crystalline Silica Quartz
001309-37-1	< 5	Red Iron Oxide
016883-83-3	< 5	1,2-Benzenedicarboxylic acid, modified phenylmethyl ester
001333-86-4	< 2	Carbon Black

EXPOSURE LIMITS

CAS NUMBER	EXPOSURE LIMITS (ppm)					
	ACGIH TLVs		OSHA PELs			
	TWA	STEL	TWA	STEL		
001313-13-9	0.2 mg/m3	N/E	5	N/E		S
007439-96-5	0.2 mg/m3	N/E	5 mg/m3	N/E		S
061788-76-9	N/E	N/E	N/E	N/E		
068515-47-9	5 mg/m3	N/E	5 mg/m3	N/E		R
001314-13-2						

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001344-28-1	10 mg/m3	N/E	10 mg/m3	N/E	S
068515-45-7	10 mg/m3	N/E	10 mg/m3	N/E	S
014808-60-7	N/E	N/E	N/E	N/E	
001309-37-1	0.1 mg/m3	N/E	0.1 mg/m3	N/E	S
016883-83-3	5 mg/m3	N/E	10 mg/m3	N/E	S
001333-86-4	5 mg/m3	N/E	5 mg/m3	N/E	S
	3.5 mg/m3	N/E	3.5 mg/m3	N/E	S

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

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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.

DELAYED EFFECTS:

Repeated overexposure may cause headaches, dizziness, drowsiness, unconsciousness and central nervous system effects.



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FIRE FIGHTING PROCEDURES:

Use complete personal protection. Use water to cool heat exposed containers.

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SECTION VI - ACCIDENTAL RELEASE MEASURES

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STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

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).

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SECTION VII - HANDLING AND STORAGE

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PRECAUTIONS TO BE TAKEN IN 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 eating.

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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 hazardous ingredients below recommended (ACGIH-TLV) or regulated (OSHA-PEL) limits.

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

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Appearance:	Dark Brown
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:	2.0
Liquid Density:	Heavier than water
Weight Per Gallon:	16.66
VOC (GR/L):	N/App
VOC (GR/L, Combined):	N/App

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SECTION X - STABILITY AND REACTIVITY

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STABILITY:

Stable.

HAZARDOUS POLYMERIZATION:

Will not occur.

INCOMPATIBILITY:

Easily oxidizable materials.

CONDITIONS TO AVOID:

See incompatibilities above.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of carbon and nitrogen, manganese compounds.

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SECTION XI - TOXICOLOGICAL INFORMATION

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

CAS NUMBER	LD50	LC50
001313-13-9	14900 mg/kg, oral, rat	N/AV.
007439-96-5	N/AV.	N/AV.
061788-76-9	>4000 mg/Kg, oral, rat	N/AV.
068515-47-9	5000 mg/kg, oral, rat	N/AV.
001314-13-2	7950 mg/kg, oral, rat	N/AV.
001344-28-1	14900 mg.kg, oral, rat	N/AV.
068515-45-7	5000 mg/kg, oral, rat	N/AV.
014808-60-7	5000 mg/kg, oral, rat	N/AV.
001309-37-1	N/AV.	N/AV.
016883-83-3	15800 mg/kg, oral, rat	N/AV.
001333-86-4	440 mg/kg, oral, rat	6750 mg/m3, rat, 4hr.

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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.

Crystalline Silica (Quartz):

Crystalline silica dust in its neat form is on the IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans (Volume 42, 1987) concludes that there is sufficient evidence for the carcinogenicity of crystalline silica to experimental animals, and there is limited evidence of the carcinogenicity of crystalline silica to humans. IARC Class 2A.

NOTICE:

There are no data available on the product itself.

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SECTION XII - ECOLOGICAL INFORMATION

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NOTICE:

There are no data available on the product itself.

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SECTION XIII - DISPOSAL CONSIDERATIONS

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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.

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SECTION XIV - TRANSPORT INFORMATION

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DOT (Non-Bulk):

PROPER SHIPPING NAME: Not regulated  
HAZARD CLASS: Not Applicable  
UN NUMBER: Not Available

SPECIAL NOTES:

None

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SECTION XV - REGULATORY INFORMATION

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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:

All components are listed on the DSL.

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.

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001313-13-9	Manganese Dioxide
001314-13-2	Zinc Oxide
001344-28-1	Aluminum Oxide
007439-96-5	Manganese Compound

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

001333-86-4	Carbon Black
014808-60-7	Crystalline Silica Quartz

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

068515-45-7	Di-L-Nonyl Phthalate
068515-47-9	1,2-Benzenedicarboxlic Acid, Di-C11-14 Branched Alkl Ester

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
007439-96-5	Manganese Compound

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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000137-26-8	Tetramethylthiuram Disulfide
001309-37-1	Red Iron Oxide
001310-73-2	Sodium Hydroxide
001314-13-2	Zinc Oxide
001344-28-1	Aluminum Oxide
007439-96-5	Manganese Compound
014808-60-7	Crystalline Silica Quartz

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

001309-37-1	Red Iron Oxide
001313-13-9	Manganese Dioxide
001314-13-2	Zinc Oxide
001333-86-4	Carbon Black
001344-28-1	Aluminum Oxide
007439-96-5	Manganese Compound
014808-60-7	Crystalline Silica Quartz

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SECTION XVI - OTHER INFORMATION

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Effective Date: 11/18/04      Supersedes Date: 07/20/2004  
Revision Number: 03  
Revision Reason: Intermediate 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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