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**MATERIAL SAFETY DATA SHEET**  
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PR-1425 B-1/2, Part A  
 FM5256A

Effective Date: 08/08/01

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**SECTION I - MANUFACTURER AND PRODUCT INFORMATION**  
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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-1425 B-1/2, Part A  
 Accelerator component  
 Product Code: FM5256A  
 Form ID No: A04  
 Product Class: Inorganic dichromate dispersion  
 Synonyms: S-5256

**HMIS HAZARD RATING**  
 HEALTH - 3  
 FLAMMABILITY - 1  
 REACTIVITY - 0  
 PPE - H  
 None (0) ---> Extreme (4)

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**SECTION II - COMPOSITION**  
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**INGREDIENTS INFORMATION**

CAS NUMBER	Wt %	CHEMICAL IDENTITY
010588-01-9	10 - 30	Sodium Dichromate Dihydrate
000127-19-5	10 - 30	Dimethylacetamide
067762-90-7	10 - 30	Amorphous Fumed Silica
014307-33-6	1 - 10	Calcium dichromate
001332-58-7	1 - 10	Kaolin
001333-86-4	< 2	Carbon Black

**EXPOSURE LIMITS**

**EXPOSURE LIMITS (ppm)**

CAS NUMBER	ACGIH TLVs		OSHA PELs		
	TWA	STEL	TWA	STEL	
010588-01-9	0.05 mg/m <sup>3</sup>	N/E	0.1 mg/m <sup>3</sup>	N/E	S
000127-19-5	10	N/E	10	N/E	S
067762-90-7	10 mg/m <sup>3</sup>	N/E	N/E	N/E	S
014307-33-6	0.05 mg/m <sup>3</sup>	N/E	0.05 mg/m <sup>3</sup>	N/E	
001332-58-7	2 mg/m <sup>3</sup>	N/E	10 mg/m <sup>3</sup>	N/E	S
001333-86-4	3.5 mg/m <sup>3</sup>	N/E	3.5 mg/m <sup>3</sup>	N/E	S

**Footnotes**

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

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N/Av = Not Available  
N.E. = Not Established

N/Av = Not Applicable  
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 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 kidney/liver damage.

Contains an ingredient listed as known or suspected carcinogen?

NTP: Yes      OSHA: No      IARC: Yes

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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.

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GESTION:

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.  
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SECTION V - FIRE AND EXPLOSION HAZARD IDENTIFICATION  
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FLASHPOINT: N/Av Method: Not Applicable  
LEL (%): N/Av UEL (%): N/Av

FLAMMABILITY CLASSIFICATION:

Not flammable.

FIRE AND EXPLOSION HAZARDS:

Although this material is non-flammable, it is a strong oxidizer.

EXTINGUISHING MEDIA:

Carbon dioxide, dry chemical, foam, water fog.

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:

Dike and cover spill with non-oxidizable absorbent. Scoop into containers. Sprinkle sodium thiosulfate on the residue and work in. Scoop into disposal container. Clean up with water. Wear appropriate personal protective equipment (See Section VIII).  
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SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Strong oxidizer. Avoid contamination with organic materials.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Good general mechanical ventilation.

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:

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:	212 F 99.99 C
High Boiling Point:	331 F 166.09 C
Evaporation Rate:	Slower than n-butyl acetate
Vapor Density:	Heavier than air
% Volatiles by Volume:	63.3
Specific Gravity:	1.6
Liquid Density:	Heavier than water
Weight Per Gallon:	13.3
VOC (GR/L):	N/Av
VOC (GR/L, Combined):	N/Av

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SECTION X - STABILITY AND REACTIVITY

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, chromium compounds.

SECTION XI - TOXICOLOGICAL INFORMATION

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

CAS NUMBER	LD50	LC50
010588-01-9	50 mg/kg, oral, rat	N/AV.
000127-19-5	5680 mg/kg, oral, rat	N/AV.
067762-90-7	5000 mg/kg, oral, rat	4.9 mg/L, rat, 4hr.
014307-33-6	5000 mg/kg	N/AV
001332-58-7	N/AV.	N/AV.
001333-86-4	440 mg/kg, oral, rat	6750 mg/m3, rat, 4hr.

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.

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Chromium Compounds (Sodium dichromate):

NTP and IARC have determined that there is sufficient evidence for the carcinogenicity of hexavalent chromium compounds both in humans and experimental animals.

Prolonged or repeated eye contact may cause conjunctivitis.

Prolonged or repeated skin contact, especially with broken skin, may cause "chrome sores". Prolonged or repeated inhalation of mist or fume may cause ulceration and perforation of nasal septum.

Prolonged inhalation may cause liver damage.

Chromium Compounds (Calcium dichromate):

NTP and IARC have determined that there is sufficient evidence for the carcinogenicity of hexavalent chromium compounds both in humans and experimental animals.

Prolonged or repeated eye contact may cause conjunctivitis.

Prolonged or repeated skin contact, especially with broken skin, may cause "chrome sores". Prolonged or repeated inhalation of mist or fume may cause ulceration and perforation of nasal septum.

Prolonged inhalation may cause liver damage.

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

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.

HAZARD WASTE NUMBERS:

D-007 (Chromium)

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SECTION XIV - TRANSPORT INFORMATION

HAZARD (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

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.

010588-01-9 Sodium Dichromate Dihydrate  
014307-33-6 Calcium dichromate

SARA Title III Section 302 - CERCLA:

This product contains the following chemicals regulated under Section 302 as extremely hazardous substance(s) for emergency

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release notification (CERCLA List).

010588-01-9 Sodium Dichromate Dihydrate	1000
014307-33-6 Calcium dichromate	1

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.

010588-01-9	Sodium Dichromate Dihydrate	1111
014307-33-6	Calcium dichromate	

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.

OSHA Section 12(b) - Export Notification:

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

010588-01-9	Sodium Dichromate Dihydrate
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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.

010588-01-9	Sodium Dichromate Dihydrate
014307-33-6	Calcium dichromate

Pennsylvania Right to Know - Reportable Ingredients:

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

000127-19-5	Dimethylacetamide
001332-58-7	Kaolin
001333-86-4	Carbon Black
010588-01-9	Sodium Dichromate Dihydrate
014307-33-6	Calcium dichromate



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Jersey Right to Know - Reportable Ingredients:

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

000127-19-5	Dimethylacetamide
001333-86-4	Carbon Black
010588-01-9	Sodium Dichromate Dihydrate

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SECTION XVI - OTHER INFORMATION

Effective Date: 08/08/01      Supersedes Date: 12/06/2000

Revision Number: 02

Revision Reason: Update Formula

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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End of Document

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**MATERIAL SAFETY DATA SHEET**  
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PR-1425 B-1/2, Part B  
 FM4866C

Effective Date: 06/24/02

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**SECTION I - MANUFACTURER AND PRODUCT INFORMATION**  
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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-1425 B-1/2, Part B  
 Base component  
 Product Code: FM4866C  
 Form ID No: B03  
 Product Class: Filled Modified polysulfide resin  
 Synonyms: P-4866

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

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**SECTION II - COMPOSITION**  
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**INGREDIENTS INFORMATION**

CAS NUMBER	Wt %	CHEMICAL IDENTITY
068611-50-7	60 - 90	Liquid Polysulphide Polymer with Thiol End Groups
067762-90-7	1 - 10	Amorphous Fumed Silica
000471-34-1	1 - 10	Calcium Carbonate
001333-86-4	1 - 10	Carbon Black
025036-25-3	< 5	Bisphenol A/Epichlorohydrin Based Epoxy Resin
061788-32-7	< 5	Hydrogenated Terphenyl
028470-78-2	< 5	Formaldehyde polymer w/ 3-Chloro-1-Propene & Phenol

**EXPOSURE LIMITS**

**EXPOSURE LIMITS (ppm)**

ACGIH TLVs                      OSHA PELs

CAS NUMBER	ACGIH TLVs		OSHA PELs		
	TWA	STEL	TWA	STEL	
068611-50-7	N/E	N/E	N/E	N/E	
067762-90-7	10 mg/m3	N/E	N/E	N/E	S
000471-34-1	10	N/E	15	N/E	S
001333-86-4	3.5 mg/m3	N/E	3.5 mg/m3	N/E	S
025036-25-3	10 mg/m3	N/E	15 mg/m3	N/E	S
061788-32-7	0.5	N/E	0.5	N/E	S
028470-78-2	N/E	N/E	N/E	N/E	

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Notes

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

N/Av = Not Available  
N.E. = Not Established

N/Av = Not Applicable  
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.

Contains an ingredient listed as known or suspected carcinogen?

NTP: No            OSHA: No            IARC: Yes  
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SECTION IV - FIRST AID MEASURES  
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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  
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FM4866C

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attention.

IN 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 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: > 200 F

Method: PMCC

LEL (%): N/Av

UEL (%): N/Av

FLAMMABILITY 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

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:

Good general mechanical ventilation.

RESPIRATORY PROTECTION:

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

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:	Black
Physical State:	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:	1.7
Specific Gravity:	1.34
Liquid Density:	Heavier than water
Weight Per Gallon:	11.2
VOC (GR/L):	0
VOC (GR/L, Combined):	24

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M4866C

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SECTION X - STABILITY AND REACTIVITY

STABILITY:

Stable.

HAZARDOUS POLYMERIZATION:

Will not occur.

COMPATIBILITY:

Strong oxidizing agents.

CONDITIONS TO AVOID:

See incompatibilities above.

HAZARDOUS DECOMPOSITION PRODUCTS:

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

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.
067762-90-7	5000 mg/kg, oral, rat	4.9 mg/L, rat, 4hr.
000471-34-1	2000 mg/kg, oral, rat	N/AV.
001333-86-4	440 mg/kg, oral, rat	6750 mg/m <sup>3</sup> , rat, 4hr.
025036-25-3	3000 mg/kg, oral, rat	800 mg/m <sup>3</sup> , rat, 4hr.
061788-32-7	10000 mg/kg, oral, rat	4.7 mg/L, rat, 4hr.
028470-78-2	N/AV.	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

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14866C

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0.1% be considered suspect carcinogens.

ICE:

There are no data available on the product itself.  
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SECTION XII - ECOLOGICAL INFORMATION

ICE:

There are no data available on the product itself.  
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SECTION XIII - DISPOSAL CONSIDERATIONS

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

HAZARD (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

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

This product does not contain a toxic chemical for routine annual  
"Toxic Chemical Release Reporting" under Section 313 (40 CFR 372).

CA 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.

000050-00-0      Formaldehyde

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.

CA 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  
000078-93-3      Methyl Ethyl Ketone  
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  
000078-93-3      Methyl Ethyl Ketone  
001333-86-4      Carbon Black  
007757-82-6      Sodium Sulfate  
061788-32-7      Hydrogenated Terphenyl

Jersey Right to Know - Reportable Ingredients:

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

001333-86-4      Carbon Black

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SECTION XVI - OTHER INFORMATION

Effective Date: 06/24/02      Supersedes Date: 01/18/2000  
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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