

Safety Data Sheet

GenFlex Roofing Systems

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name • One Step Pourable Sealer Part B

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified use(s) • Construction

1.3 Details of the supplier of the safety data sheet

Manufacturer • Firestone Building Products Company
250 West 96th Street
Indianapolis, IN 46260
United States

genflexmsds@bfdp.com

Telephone (General) • 800-428-4442

1.4 Emergency telephone number

Manufacturer • (800) 424-9300 - CHEMTREC

Manufacturer • (703) 527-3887 - CHEMTREC - International

Section 2: Hazards Identification

EU/EEC

According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]
According to: EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

CLP • Not classified

DSD/DPD • Not classified

2.2 Label Elements

CLP
Hazard statements • No label element(s) required

DSD/DPD
Risk phrases • No label element(s) required

2.3 Other Hazards

CLP • According to Regulation (EC) No. 1272/2008 (CLP) this material is not considered hazardous.

DSD/DPD • This product is not considered dangerous under the European Directive 1999/45/EC

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 2012

- Not classified

2.2 Label elements

OSHA HCS 2012

Hazard statements ● No label element(s) required

2.3 Other hazards

OSHA HCS 2012

- This product is not considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.

Canada

According to: WHMIS

2.1 Classification of the substance or mixture

WHMIS

- Other Toxic Effects - D2B

2.2 Label elements

WHMIS



- Other Toxic Effects - D2B

2.3 Other hazards

WHMIS

- In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

Section 3 - Composition/Information on Ingredients

3.1 Substances

- Material does not meet the criteria of a substance.

3.2 Mixtures

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Polypropylene glycol	CAS:25322-69-4	30% TO 60%	Ingestion/Oral-Rat LD50 • >2 g/kg	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	NDA
Siloxanes and Silicones, di-Me, reaction products with silica	CAS:67762-90-7	1% TO 5%	NDA	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	NDA
Castor oil	CAS:8001-79-4 EC Number:232-293-8	1% TO 5%	NDA	EU DSD/DPD: Self Classified: Xi; R38 EU CLP: Self Classified: Skin Irrit. 2, H315 OSHA HCS 2012: Eye Irrit. 2; Skin Irrit. 2	NDA

Carbon Black	CAS:1333-86-4 EC Number:215-609-9	1% TO 3%	Ingestion/Oral-Rat LD50 • >15400 mg/kg Skin-Rabbit LD50 • >3 g/kg	EU DSD/DPD: Self Classified: Carc. Cat. 3; R40 EU CLP: Self Classified: Carc. 2, H351 OSHA HCS 2012: Carc. 2	NDA
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See Section 16 for full text of H-statements and R-phrases.

Section 4 - First Aid Measures

4.1 Description of first aid measures

- Inhalation**
- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.
- Skin**
- Wash skin with soap and water. If irritation develops and persists, get medical attention.
- Eye**
- Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye. If eye irritation persists: Get medical advice/attention.
- Ingestion**
- Obtain medical attention immediately if ingested.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

- Notes to Physician**
- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5 - Firefighting Measures

5.1 Extinguishing media

- Suitable Extinguishing Media**
- LARGE FIRE: Water spray, fog or regular foam.
SMALL FIRES: Dry chemical, CO₂, water spray or regular foam.
- Unsuitable Extinguishing Media**
- No data available.

5.2 Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards**
- None known.
- Hazardous Combustion Products**
- Carbon oxides. Nitrogen oxides. Hydrocarbons.

5.3 Advice for firefighters

- Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA). Exposure to water will initiate reaction, which may be violent.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal Precautions**
- Do not walk through spilled material. Use appropriate Personal Protective Equipment (PPE) Avoid contact with skin and eyes. Avoid breathing mist, vapours, spray.
- Emergency Procedures**
- Keep unauthorized personnel away. Stay upwind.

6.2 Environmental precautions

- Avoid run off to waterways and sewers.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures

- Stop leak if you can do it without risk.
SMALL SPILLS: Take up with sand or other non-combustible absorbent material and place into containers for later disposal.
LARGE SPILLS: Dike far ahead of liquid spill for later disposal.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling

- Use good safety and industrial hygiene practices. Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Avoid breathing mist, vapours, spray. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

7.2 Conditions for safe storage, including any incompatibilities

Storage

- Keep container tightly closed. Keep away from incompatible materials. Store in a cool, dry place.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines						
	Result	ACGIH	Australia	Belgium	Canada Alberta	Canada British Columbia
Carbon Black (1333-86-4)	TWAs	3 mg/m ³ TWA (inhalable fraction)	3 mg/m ³ TWA	3.5 mg/m ³ TWA	3.5 mg/m ³ TWA	3 mg/m ³ TWA (inhalable)
Exposure Limits/Guidelines (Con't.)						
	Result	Canada Manitoba	Canada New Brunswick	Canada Northwest Territories	Canada Nova Scotia	Canada Nunavut
Carbon Black (1333-86-4)	TWAs	3 mg/m ³ TWA (inhalable fraction)	3.5 mg/m ³ TWA	3.5 mg/m ³ TWA	3 mg/m ³ TWA (inhalable fraction)	3.5 mg/m ³ TWA
	STELs	Not established	Not established	7 mg/m ³ STEL	Not established	7 mg/m ³ STEL
Exposure Limits/Guidelines (Con't.)						
	Result	Canada Ontario	Canada Quebec	Canada Saskatchewan	Canada Yukon	China
Carbon Black (1333-86-4)	STELs	Not established	Not established	Not established	7 mg/m ³ STEL	8 mg/m ³ STEL (total dust)
	TWAs	3 mg/m ³ TWA (inhalable)	3.5 mg/m ³ TWAEV	3.5 mg/m ³ TWA	3.5 mg/m ³ TWA	4 mg/m ³ TWA (total dust)
Exposure Limits/Guidelines (Con't.)						
	Result	Denmark	NIOSH	OSHA		
			3.5 mg/m ³ TWA; 0.1 mg/m ³ TWA (Carbon)			

Carbon Black (1333-86-4)	TWAs	3.5 mg/m ³ TWA	black in presence of Polycyclic aromatic hydrocarbons, as PAH)	3.5 mg/m ³ TWA
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Exposure Control Notations

ACGIH

•Carbon Black (1333-86-4): **Carcinogens:** (A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans)

Germany DFG

•Carbon Black (1333-86-4): **Carcinogens:** (Category 3B (could be carcinogenic for man, inhalable fraction))

Exposure Limits Supplemental

ACGIH

•Carbon Black (1333-86-4): **TLV Basis - Critical Effects:** (bronchitis)

8.2 Exposure controls

Engineering Measures/Controls

- This material is designed to be used outdoors, in roofing applications. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal Protective Equipment

Respiratory

- Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face

- Wear safety goggles.

Skin/Body

- Wear appropriate gloves.

Environmental Exposure Controls

- In case of spills, keep product clear of sewers, waterways or land areas. Dispose of waste product in accordance with national and local laws and regulations.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

STEL = Short Term Exposure Limits are based on 15-minute exposures

TWAEV = Time-Weighted Average Exposure Value

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Black viscous liquid with negligible odor.
Color	Black	Odor	Negligible
Odor Threshold	Data lacking		
General Properties			
Boiling Point	Data lacking	Melting Point	Not relevant
Decomposition Temperature	Data lacking	pH	Data lacking
Specific Gravity/Relative Density	= 1.02	Water Solubility	Data lacking
Viscosity	10000 Centipoise (cPs, cP) or mPas @ 75 F(23.8889 C)	Explosive Properties	Data lacking
Oxidizing Properties:	Data lacking		
Volatility			
Vapor Pressure	Data lacking	Vapor Density	Data lacking

Evaporation Rate	Data lacking	Volatiles (Wt.)	< 0.15 %
Volatiles (Vol.)	< 0.15 %		
Flammability			
Flash Point	> 350 F(> 176.6667 C) PMCC (Pensky-Martins Closed Cup)	UEL	Data lacking
LEL	Data lacking	Autoignition	Data lacking
Flammability (solid, gas)	Data lacking		
Environmental			
Octanol/Water Partition coefficient	Data lacking		

9.2 Other Information

- Exposure to water will initiate reaction, which may be violent.

Section 10: Stability and Reactivity

10.1 Reactivity

- Exposure to water will initiate reaction, which may be violent.

10.2 Chemical stability

- Stable

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Excess heat. Incompatible materials. Moisture .

10.5 Incompatible materials

- Water, alcohols, amines, bases and acids.

10.6 Hazardous decomposition products

- None known.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Components		
Polypropylene glycol (30% TO 60%)	25322-69-4	Acute Toxicity: Ingestion/Oral-Rat LD50 • 20 g/kg; Skin-Rabbit LD50 • 20800 mg/kg; Irritation: Eye-Rabbit • 100 mg • Mild irritation; Skin-Human • 10 %
Castor oil (1% TO 5%)	8001-79-4	Irritation: Eye-Rabbit • 500 mg • Mild irritation; Skin-Rabbit • 100 mg 24 Hour(s) • Severe irritation; Multi-dose Toxicity: Ingestion/Oral-Rat TDLo • 675 g/kg 90 Day(s)-Intermittent; Liver:Changes in liver weight
Siloxanes and Silicones, di-Me, reaction products with silica (1% TO 5%)	67762-90-7	Multi-dose Toxicity: Inhalation-Rat TCLo • 30 mg/kg 6 Hour(s) 4 Week(s)-Intermittent; Lungs, Thorax, or Respiration:Other changes; Blood:Hemorrhage; Related to Chronic Data:Death in the Other Multiple Dose data type field
Carbon Black (1% TO 3%)	1333-86-4	Acute Toxicity: Ingestion/Oral-Rat LD50 • >15400 mg/kg; Behavioral:Somnolence (general depressed activity); Skin-Rabbit LD50 • >3 g/kg; Tumorigen / Carcinogen: Inhalation-Rat TCLo • 11600 µg/m ³ 18 Hour(s) 2 Year(s)-Intermittent; Tumorigenic:Carcinogenic by RTECS criteria; Lungs, Thorax, or Respiration:Tumors

GHS Properties	Classification
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Acute toxicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Aspiration Hazard	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Carcinogenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Germ Cell Mutagenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Skin corrosion/Irritation	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Skin sensitization	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
STOT-RE	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
STOT-SE	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Toxicity for Reproduction	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Respiratory sensitization	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Serious eye damage/Irritation	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking

Potential Health Effects

Inhalation

- Acute (Immediate)**
 - Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
- Chronic (Delayed)**
 - No data available.

Skin

- Acute (Immediate)**
 - May cause mild irritation.
- Chronic (Delayed)**
 - No data available.

Eye

- Acute (Immediate)**
 - May cause irritation.
- Chronic (Delayed)**
 - No data available.

Ingestion

- Acute (Immediate)**
 - No harmful effects expected in amounts likely to be ingested by accident.
- Chronic (Delayed)**
 - No data available.

Carcinogenic Effects

- This product contains carbon black (encapsulated)(1333-86-4). According to IARC "No significant exposure to carbon black is thought to occur during the use of products in which carbon black is bound to other materials, such as rubber, printing ink or paint."

Carcinogenic Effects		
	CAS	IARC
Carbon Black	1333-86-4	Group 2B-Possible Carcinogen

Key to abbreviations

LD = Lethal Dose
 TC = Toxic Concentration
 TD = Toxic Dose

Section 12 - Ecological Information

12.1 Toxicity

- Material data lacking.

12.2 Persistence and degradability

- Material data lacking.

12.3 Bioaccumulative potential

- Material data lacking.

12.4 Mobility in Soil

- Material data lacking.

12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
TDG	NDA	Not Regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not Regulated	NDA	NDA	NDA
ADN	NDA	Not Regulated	NDA	NDA	NDA
ADR/RID	NDA	Not Regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

14.6 Special precautions for user

- None specified.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- Data lacking.

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • None

State Right To Know				
Component	CAS	MA	NJ	PA
Carbon Black	1333-86-4	Yes	Yes	Yes
Castor oil	8001-79-4	No	No	No
Polypropylene glycol	25322-69-4	No	No	No
Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	No	No	No

Inventory						
Component	CAS	Canada DSL	Canada NDSL	China	EU EINECS	EU ELNICS
Carbon Black	1333-86-4	Yes	No	Yes	Yes	Yes
Castor oil	8001-79-4	Yes	No	Yes	Yes	No
Polypropylene glycol	25322-69-4	Yes	No	Yes	No	No
Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Yes	No	Yes	No	No

Inventory (Con't.)				
Component	CAS	Japan ENCS	Korea KECL	TSCA
Carbon Black	1333-86-4	Yes	Yes	Yes
Castor oil	8001-79-4	No	Yes	Yes
Polypropylene glycol	25322-69-4	Yes	Yes	Yes
Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Yes	Yes	Yes

Australia

Labor

Australia - Work Health and Safety Regulations - Hazardous Substances Requiring Health Monitoring

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

Australia - High Volume Industrial Chemicals List

• Carbon Black	1333-86-4	
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

Australia - List of Designated Hazardous Substances - Classification

• Carbon Black	1333-86-4	Self classification required
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• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

Environment

Australia - National Pollutant Inventory (NPI) Substance List

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

Australia - Ozone Protection Act - Scheduled Substances

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

Australia - Priority Existing Chemical Program

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

Belgium

Labor

Belgium - Substances and Preparations - Carcinogens and Mutagens

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

Bulgaria

Environment

Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - 24 Hour

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - 30 Minute

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - Annual

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

Canada

Labor**Canada - WHMIS - Classifications of Substances**

• Carbon Black	1333-86-4	D2A (In certain cases, this classification does not apply. For more information, consult the section Substance Specific Issues - Carbon Black, non-respirable on Health Canada's WHMIS Division website.)
• Castor oil	8001-79-4	Uncontrolled product according to WHMIS classification criteria
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

Canada - WHMIS - Ingredient Disclosure List

• Carbon Black	1333-86-4	1 %
• Castor oil	8001-79-4	1 %
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

Environment**Canada - CEPA - Priority Substances List**

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

China**Other****China - Annex I & II - Controlled Chemicals Lists**

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

Denmark**Environment****Denmark - List of Undesirable Substances - Product Groups/Function**

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

Europe**Other****EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification**

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

Germany**Labor****Germany - Immission Control - Qualifying Quantities for Major Accident Prevention**

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

Germany - Immission Control - Qualifying Quantities for Safety Reporting

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

Germany - TRGS 505 - Specific Lead Regulations

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

Germany - TRGS 511 - Specific Ammonium Nitrate Regulations

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

Environment**Germany - TA Luft - Types and Classes**

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

• Polypropylene glycol	25322-69-4	Not Listed
Germany - TA Luft - Emission Limits for Carcinogenic Substances		
• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed
Germany - TA Luft - Emission Limits for Fibers		
• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed
Germany - TA Luft - Emission Limits for Inorganic Dusts		
• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed
Germany - TA Luft - Emission Limits for Inorganic Gases		
• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed
Germany - TA Luft - Emission Limits for Organic Substances		
• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed
Germany - Water Classification (VwVwS) - Annex 1		
• Carbon Black	1333-86-4	ID Number 1742, not considered hazardous to water
• Castor oil	8001-79-4	ID Number 760, not considered hazardous to water
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	ID Number 849, not considered hazardous to water
• Polypropylene glycol	25322-69-4	Not Listed
Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes		
• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	ID Number 6988, hazard class 1 - low hazard to waters
Germany - Water Classification (VwVwS) - Annex 3		
• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

Environment

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed

• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

• Carbon Black	1333-86-4	carcinogen, initial date 2/21/03 (airborne, unbound particles of respirable size)
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

United States - Pennsylvania

Labor

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

• Carbon Black	1333-86-4	Not Listed
• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

• Carbon Black	1333-86-4	Not Listed
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• Castor oil	8001-79-4	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
• Polypropylene glycol	25322-69-4	Not Listed

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

15.3 Other Information

- **WARNING:** This product contains a chemical known to the State of California to cause cancer.

Section 16 - Other Information

Relevant Phrases (code & full text)

- H315 - Causes skin irritation
H351 - Suspected of causing cancer.
- R38 - Irritating to skin.
- R40 - Limited evidence of a carcinogenic effect.

Last Revision Date

- 20/February/2015

Preparation Date

- 01/August/2012

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Key to abbreviations

NDA = No data available