

**SECTION 1: IDENTIFICATION**

**1.1. Product Identifier**

**Product Form:** Mixtures

**Product Name:** B, B301, B502, CS-B, EnduraFlex™ HB50HTNTG. Products Include TB/TG Versions Where Applicable.

**Document Code:** SDS241

**1.2. Intended Use of the Product**

**Use of the Substance/Mixture:** Chlorobutyl Rubber Lining. For Professional Use Only.

**1.3. Name, Address, and Telephone of the Responsible Party**

**Company**

Blair Rubber Company  
5020 Enterprise Parkway  
Seville, OH 44273  
T 800-321-5583  
[blairrubber.com](http://blairrubber.com)

**1.4. Emergency Telephone Number**

**Emergency Number** : 800-424-9300 (CHEMTREC), 202-483-7616 (International)

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1. Classification of the Substance or Mixture**

**GHS-US Classification**

Skin Sens. 1 H317

Full text of hazard classes and H-statements : see section 16

**2.2. Label Elements**

**GHS-US Labeling**

**Hazard Pictograms (GHS-US)** :



**Signal Word (GHS-US)** :

Warning

**Hazard Statements (GHS-US)** :

H317 - May cause an allergic skin reaction.

**Precautionary Statements (GHS-US)** :

P261 - Avoid breathing dust, fume, vapors.  
P272 - Contaminated work clothing must not be allowed out of the workplace.  
P280 - Wear protective gloves, protective clothing, and eye protection.  
P302+P352 - If on skin: Wash with plenty of water.  
P321 - Specific treatment (see section 4 on this SDS).  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P363 - Wash contaminated clothing before reuse.  
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

**2.3. Other Hazards**

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. When heated to decomposition, emits toxic fumes. Contains chemicals with hazards that are associated with their dust and usual forms. The hazards associated with these chemicals are not bioavailable under normal conditions of use due to the compounds being polymer bound.

**2.4. Unknown Acute Toxicity (GHS-US)**

3.51% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)

3.51% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

3.51% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1. Substance**

Not applicable

**3.2. Mixture**

Name	Product Identifier	%
Elastomer #4*	(CAS No) Proprietary	0.1 - 60.0
Elastomer #13*	(CAS No) Proprietary	0.1 - 60.0

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Carbon black*	(CAS No) 1333-86-4	5.0 - 40.0
Filler #10*	(CAS No) Proprietary	0.1 - 30.0
Activator #1*	(CAS No) Proprietary	1.0 - 5.0
Plasticizer #1*	(CAS No) Proprietary	0.1 - 5.0
Process Aid #10*	(CAS No) Proprietary	0.1 - 5.0
Process Aid #8*	(CAS No) Proprietary	0.1 - 5.0
Process Aid #11*	(CAS No) Proprietary	0.1 - 5.0
Elastomer #7*	(CAS No) Proprietary	0.1 - 5.0
Process Aid #4*	(CAS No) Proprietary	0.1 - 5.0
Tackifier #12*	(CAS No) Proprietary	0.1 - 5.0
Tackifier #10*	(CAS No) Proprietary	0.1 - 5.0
Activator #6*	(CAS No) Proprietary	0.1 - 5.0
Activator #15*	(CAS No) Proprietary	0.1 - 5.0
Crosslinker #5*	(CAS No) Proprietary	0.1 - 2.0
Accelerator #5*	(CAS No) Proprietary	0.1 - 2.0
Activator #3*	(CAS No) Proprietary	0.1 - 1.0
Process Aid #3*	(CAS No) Proprietary	0.1 - 1.0
Antidegradant #5*	(CAS No) Proprietary	0.1 - 1.0
Elastomer #3*	(CAS No) Proprietary	0.1 - 1.0
Activator #17*	(CAS No) Proprietary	0.1 - 1.0
Filler #13*	(CAS No) Proprietary	0.1 - 1.0
Tackifier #2*	(CAS No) Proprietary	0.1 - 1.0
Activator #4*	(CAS No) Proprietary	< 0.5
Filler #5*	(CAS No) Proprietary	< 0.5

\*The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret [29 CFR 1910.1200].

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of First-aid Measures

**First-aid Measures General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**First-aid Measures After Inhalation:** Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

**First-aid Measures After Skin Contact:** Remove contaminated clothing. Gently wash with plenty of soap and water. Obtain medical attention if irritation develops or persists.

**First-aid Measures After Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

**First-aid Measures After Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

### 4.2. Most Important Symptoms and Effects Both Acute and Delayed

**Symptoms/Injuries:** Skin sensitization.

**Symptoms/Injuries After Inhalation:** Prolonged inhalation of dust may cause respiratory irritation. When heated, material emits irritating fumes.

**Symptoms/Injuries After Skin Contact:** May cause an allergic skin reaction.

**Symptoms/Injuries After Eye Contact:** Dusts caused from milling and physical alteration will likely cause eye irritation. Fumes from thermal decomposition or molten material will likely be irritating to the eyes.

**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** Prolonged inhalation of fumes from thermal decomposition may have long-term adverse effects.

### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Water spray, fog, carbon dioxide (CO<sub>2</sub>), alcohol-resistant foam, or dry chemical.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

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## 5.2. Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Dust generated from processing may present a dust explosion hazard.

**Explosion Hazard:** Dust explosion hazard in air.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

## 5.3. Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Carbon oxides (CO, CO<sub>2</sub>). Sulfur oxides. Hydrocarbons. Hydrochloric acid fumes may be generated. Toxic fumes may be released.

**Other Information:** Risk of dust explosion.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Avoid prolonged contact with eyes, skin and clothing. Do not breathe fumes from fires or vapours from decomposition. Avoid breathing dust. Avoid generating dust. Remove ignition sources. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.

#### 6.1.1. For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protective equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### 6.1.2. For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

### 6.2. Environmental Precautions

Prevent entry to sewers and public waters.

### 6.3. Methods and Materials for Containment and Cleaning Up

**For Containment:** Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams. Avoid generation of dust during clean-up of spills.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. For particulates and dust: Use explosion proof vacuum during cleanup, with appropriate filter. Do not mix with other materials. Vacuum clean-up is preferred. If sweeping is required use a dust suppressant. Use only non-sparking tools.

### 6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Additional Hazards When Processed:** Accumulation and dispersion of dust with an ignition source can cause a combustible dust explosion. Keep dust levels to a minimum and follow applicable regulations.

**Precautions for Safe Handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid prolonged contact with eyes, skin and clothing. Avoid breathing dust. Avoid creating or spreading dust. Keep away from heat, sparks, open flames, hot surfaces. – No smoking.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures.

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations. Avoid creating or spreading dust. Use explosion-proof electrical, ventilating, lighting equipment. Proper grounding procedures to avoid static electricity should be followed.

**Storage Conditions:** Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

**Incompatible Products:** Strong acids, strong bases, strong oxidizers.

### 7.3. Specific End Use(s)

Chlorobutyl Rubber Lining. For Professional Use Only.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).

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<b>Carbon black (CAS No) 1333-86-4</b>		
<b>USA ACGIH</b>	ACGIH TWA (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup> (inhalable particulate matter)
<b>USA ACGIH</b>	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
<b>USA NIOSH</b>	NIOSH REL (TWA) (mg/m <sup>3</sup> )	3.5 mg/m <sup>3</sup> 0.1 mg/m <sup>3</sup> (Carbon black in presence of Polycyclic aromatic hydrocarbons)
<b>USA IDLH</b>	US IDLH (mg/m <sup>3</sup> )	1750 mg/m <sup>3</sup>
<b>USA OSHA</b>	OSHA PEL (TWA) (mg/m <sup>3</sup> )	3.5 mg/m <sup>3</sup>
<b>Filler #10 (CAS No) Proprietary</b>		
<b>USA ACGIH</b>	ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (inhalable particulate matter, particulate matter containing no asbestos and <1% crystalline silica)
<b>USA NIOSH</b>	NIOSH REL (TWA) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable dust)
<b>USA OSHA</b>	OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)
<b>Activator #17 (CAS No) Proprietary</b>		
<b>USA NIOSH</b>	NIOSH REL (TWA) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable dust)
<b>Filler #13 (CAS No) Proprietary</b>		
<b>USA ACGIH</b>	ACGIH TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter)
<b>USA ACGIH</b>	ACGIH chemical category	Not Classifiable as a Human Carcinogen
<b>USA NIOSH</b>	NIOSH REL (TWA) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable dust)
<b>USA OSHA</b>	OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)
<b>Antidegradant #5 (CAS No) Proprietary</b>		
<b>USA ACGIH</b>	ACGIH TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (fume)
<b>USA NIOSH</b>	NIOSH REL (TWA) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (fume)
<b>Activator #1 (CAS No) Proprietary</b>		
<b>USA ACGIH</b>	ACGIH TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (respirable particulate matter)
<b>USA ACGIH</b>	ACGIH STEL (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (respirable particulate matter)
<b>USA NIOSH</b>	NIOSH REL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (dust and fume)
<b>USA NIOSH</b>	NIOSH REL (STEL) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (fume)
<b>USA NIOSH</b>	NIOSH REL (ceiling) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> (dust)
<b>USA IDLH</b>	US IDLH (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
<b>USA OSHA</b>	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (fume) 15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)
<b>Process Aid #4 (CAS No) Proprietary</b>		
<b>USA ACGIH</b>	ACGIH TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL (TWA) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
<b>USA IDLH</b>	US IDLH (mg/m <sup>3</sup> )	25 mg/m <sup>3</sup>
<b>USA OSHA</b>	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
<b>Activator #4 (CAS No) Proprietary</b>		
<b>USA NIOSH</b>	NIOSH REL (TWA) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable dust)
<b>Filler #5 (CAS No) Proprietary</b>		
<b>USA ACGIH</b>	ACGIH TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup> (respirable particulate matter)
<b>USA ACGIH</b>	ACGIH chemical category	A2 - Suspected Human Carcinogen
<b>USA NIOSH</b>	NIOSH REL (TWA) (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup> (respirable dust)
<b>USA IDLH</b>	US IDLH (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup> (respirable dust)
<b>USA OSHA</b>	OSHA PEL (TWA) (mg/m <sup>3</sup> )	50 µg/m <sup>3</sup>

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Process Aid #3 (CAS No) Proprietary		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (inhalable particulate matter)
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA IDLH	US IDLH (mg/m <sup>3</sup> )	750 mg/m <sup>3</sup> (fume)
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> (fume, total particulate)
Tackifier #2 (CAS No) Proprietary		
USA ACGIH	ACGIH chemical category	dermal sensitizer
Activator #15 (CAS No) Proprietary		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup> (inhalable fraction and vapor)
USA ACGIH	ACGIH chemical category	dermal sensitizer, Not Classifiable as a Human Carcinogen
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
USA IDLH	US IDLH (mg/m <sup>3</sup> )	100 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>

## 8.2. Exposure Controls

### Appropriate Engineering Controls

: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Use local exhaust or general dilution ventilation or other suppression methods to maintain dust levels below exposure limits. Power equipment should be equipped with proper dust collection devices. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment.

### Personal Protective Equipment

: Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



### Materials for Protective Clothing

: Chemically resistant materials and fabrics.

### Hand Protection

: Wear protective gloves.

### Eye Protection

: Chemical safety goggles.

### Skin and Body Protection

: Wear suitable protective clothing.

### Respiratory Protection

: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

Physical State	: Solid
Appearance	: Black
Odor	: No data available
Odor Threshold	: No data available
pH	: No data available
Evaporation Rate	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: 260 °C (500 °F)
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: No data available

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Vapor Pressure	: No data available
Relative Vapor Density at 20°C	: No data available
Relative Density	: No data available
Solubility	: No data available
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: No data available

9.2. Other Information No additional information available

## SECTION 10: STABILITY AND REACTIVITY

- 10.1. **Reactivity:** Hazardous reactions will not occur under normal conditions.
- 10.2. **Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. **Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. **Conditions to Avoid:** Direct sunlight, extremely high or low temperatures, and incompatible materials. Sparks, heat, open flame and other sources of ignition. Dust accumulation (to minimize explosion hazard).
- 10.5. **Incompatible Materials:** Strong acids, strong bases, strong oxidizers.
- 10.6. **Hazardous Decomposition Products:** None expected under normal conditions of use.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on Toxicological Effects

Acute Toxicity: Not classified

<b>Carbon black (CAS No) 1333-86-4</b>	
LD50 Oral Rat	> 8000 mg/kg
<b>Filler #10 (CAS No) Proprietary</b>	
LD50 Oral Rat	> 5000 mg/kg
<b>Filler #13 (CAS No) Proprietary</b>	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	> 5000 mg/kg
<b>Process Aid #11 (CAS No) Proprietary</b>	
LD50 Oral Rat	3 g/kg
LD50 Dermal Rabbit	> 16 ml/kg
LC50 Inhalation Rat	> 6.4 mg/l/4h
<b>Plasticizer #1 (CAS No) Proprietary</b>	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rat	> 2000 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
LC50 Inhalation Rat	> 5 mg/l/4h
<b>Process Aid #10 (CAS No) Proprietary</b>	
LD50 Oral Rat	> 8000 mg/kg
<b>Antidegradant #5 (CAS No) Proprietary</b>	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	> 3600 mg/kg
<b>Tackifier #10 (CAS No) Proprietary</b>	
LD50 Oral Rat	> 5 g/kg
LD50 Dermal Rabbit	> 2 g/kg
<b>Activator #1 (CAS No) Proprietary</b>	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rat	> 2000 mg/kg
<b>Activator #3 (CAS No) Proprietary</b>	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rat	> 2000 mg/kg
<b>Process Aid #4 (CAS No) Proprietary</b>	
LD50 Oral Rat	> 2000 mg/kg
LD50 Dermal Rabbit	> 2500 mg/kg
<b>Activator #4 (CAS No) Proprietary</b>	

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LD50 Oral Rat	6450 mg/kg
<b>Filler #5 (CAS No) Proprietary</b>	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rat	> 5000 mg/kg
<b>Accelerator #5 (CAS No) Proprietary</b>	
LD50 Oral Rat	> 12 g/kg
LD50 Dermal Rabbit	> 7940 mg/kg
<b>Elastomer #7 (CAS No) Proprietary</b>	
LD50 Oral Rat	> 40 g/kg
<b>Tackifier #2 (CAS No) Proprietary</b>	
LD50 Oral Rat	7600 mg/kg
LD50 Dermal Rabbit	> 2500 mg/kg
LC50 Inhalation Rat	110 mg/m <sup>3</sup>
LC50 Inhalation Rat	2.3 mg/l/4h
<b>Activator #15 (CAS No) Proprietary</b>	
LD50 Oral Rat	1080 mg/kg
LD50 Dermal Rabbit	> 7940 mg/kg
LC50 Inhalation Rat	4.42 mg/l/4h (Species: Sprague-Dawley)

**Skin Corrosion/Irritation:** Not classified

**Serious Eye Damage/Irritation:** Not classified

**Respiratory or Skin Sensitization:** May cause an allergic skin reaction.

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Not classified

<b>Carbon black (CAS No) 1333-86-4</b>	
IARC group	2B
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
<b>Process Aid #10 (CAS No) Proprietary</b>	
IARC group	3
<b>Filler #5 (CAS No) Proprietary</b>	
IARC group	1
National Toxicology Program (NTP) Status	Known Human Carcinogens.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
<b>Elastomer #7 (CAS No) Proprietary</b>	
IARC group	3
<b>Activator #15 (CAS No) Proprietary</b>	
IARC group	3

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** Prolonged inhalation of dust may cause respiratory irritation. When heated, material emits irritating fumes.

**Symptoms/Injuries After Skin Contact:** May cause an allergic skin reaction.

**Symptoms/Injuries After Eye Contact:** Dusts caused from milling and physical alteration will likely cause eye irritation. Fumes from thermal decomposition or molten material will likely be irritating to the eyes.

**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** Prolonged inhalation of fumes from thermal decomposition may have long-term adverse effects.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Ecology - General : Not classified.

<b>Carbon black (CAS No) 1333-86-4</b>	
EC50 Daphnia 1	5600 mg/l (Exposure time: 24 h - Species: Daphnia magna)
<b>Process Aid #11 (CAS No) Proprietary</b>	

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LC50 Fish 1	10.4 - 12.0 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
<b>Plasticizer #1 (CAS No) Proprietary</b>	
LC50 Fish 1	> 5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>Activator #1 (CAS No) Proprietary</b>	
LC50 Fish 1	780 µg/l (Exposure time: 96 h - Species: Pimephales promelas)
EC50 Daphnia 1	0.122 mg/l
NOEC Chronic Fish	0.026 mg/l (Species: Jordanella floridae)
<b>Process Aid #4 (CAS No) Proprietary</b>	
LC50 Fish 1	50.6 mg/l
<b>Tackifier #2 (CAS No) Proprietary</b>	
EC50 Daphnia 1	3.8 - 5.4 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>Activator #15 (CAS No) Proprietary</b>	
LC50 Fish 1	0.0003 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [semi-static])
EC50 Daphnia 1	0.21 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	0.13 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)
NOEC (Acute)	225 mg/kg (Exposure time: 14 Days - Species: Eisenia foetida [soil dry weight])

### 12.2. Persistence and Degradability

<b>B, B301, B502, CS-B, EnduraFlex™ HB50HTNTG</b>	
Persistence and Degradability	Not established.

### 12.3. Bioaccumulative Potential

<b>B, B301, B502, CS-B, EnduraFlex™ HB50HTNTG</b>	
Bioaccumulative Potential	Not established.

<b>Process Aid #11 (CAS No) Proprietary</b>	
BCF Fish 1	3.65
Log Pow	3.65 - 4.78

<b>Process Aid #4 (CAS No) Proprietary</b>	
BCF Fish 1	(no bioaccumulation)

<b>Activator #4 (CAS No) Proprietary</b>	
BCF Fish 1	(no bioaccumulation)

<b>Accelerator #5 (CAS No) Proprietary</b>	
Log Pow	4.5

<b>Activator #15 (CAS No) Proprietary</b>	
BCF Fish 1	91
Log Pow	1.73 (at 20 °C)

### 12.4. Mobility in Soil

<b>Activator #3 (CAS No) Proprietary</b>	
Log Koc	51.05

### 12.5. Other Adverse Effects

Other Information : Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste Treatment Methods

**Waste Disposal Recommendations:** Dispose of contents/container in accordance with local, regional, national, and international regulations.

**Additional Information:** Container may remain hazardous when empty. Continue to observe all precautions.

**Ecology - Waste Materials:** Avoid release to the environment.

## SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.



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- 14.1. In Accordance with DOT** Not regulated for transport  
**14.2. In Accordance with IMDG** Not regulated for transport  
**14.3. In Accordance with IATA** Not regulated for transport

## SECTION 15: REGULATORY INFORMATION

### 15.1. US Federal Regulations

<b>B, B301, B502, CS-B, EnduraFlex™ HB50HTNTG</b>	
<b>SARA Section 311/312 Hazard Classes</b>	Immediate (acute) health hazard Fire hazard Sudden release of pressure hazard
<b>Elastomer #4 (CAS No) Proprietary</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>EPA TSCA Regulatory Flag</b>	XU - XU - indicates a substance exempt from reporting under the Inventory Update Reporting Rule, i.e, Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(C)).
<b>Carbon black (CAS No) 1333-86-4</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Filler #10 (CAS No) Proprietary</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Activator #17 (CAS No) Proprietary</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Filler #13 (CAS No) Proprietary</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Tackifier #12 (CAS No) Proprietary</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>EPA TSCA Regulatory Flag</b>	XU - XU - indicates a substance exempt from reporting under the Inventory Update Reporting Rule, i.e, Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(C)).
<b>Process Aid #11 (CAS No) Proprietary</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Process Aid #8 (CAS No) Proprietary</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Plasticizer #1 (CAS No) Proprietary</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Process Aid #10 (CAS No) Proprietary</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>EPA TSCA Regulatory Flag</b>	XU - XU - indicates a substance exempt from reporting under the Inventory Update Reporting Rule, i.e, Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(C)).
<b>Activator #6 (CAS No) Proprietary</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Antidegradant #5 (CAS No) Proprietary</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Tackifier #10 (CAS No) Proprietary</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>EPA TSCA Regulatory Flag</b>	XU - XU - indicates a substance exempt from reporting under the Inventory Update Reporting Rule, i.e, Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(C)).
<b>Activator #1 (CAS No) Proprietary</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Activator #3 (CAS No) Proprietary</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Process Aid #4 (CAS No) Proprietary</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

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<b>Activator #4 (CAS No) Proprietary</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Filler #5 (CAS No) Proprietary</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Process Aid #3 (CAS No) Proprietary</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Accelerator #5 (CAS No) Proprietary</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Elastomer #7 (CAS No) Proprietary</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>EPA TSCA Regulatory Flag</b>	XU - XU - indicates a substance exempt from reporting under the Inventory Update Reporting Rule, i.e, Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(C)).
<b>Tackifier #2 (CAS No) Proprietary</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Activator #15 (CAS No) Proprietary</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313	
<b>CERCLA RQ</b>	10 lb
<b>SARA Section 313 - Emission Reporting</b>	1 %

## 15.2. US State Regulations

<b>Carbon black (CAS No) 1333-86-4</b>	
<b>U.S. - California - Proposition 65 - Carcinogens List</b>	WARNING: This product contains chemicals known to the State of California to cause cancer.
<b>Carbon black (CAS No) 1333-86-4</b>	
U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances U.S. - Pennsylvania - RTK (Right to Know) List	
<b>Filler #10 (CAS No) Proprietary</b>	
U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List	
<b>Activator #17 (CAS No) Proprietary</b>	
U.S. - Massachusetts - Right To Know List	
<b>Filler #13 (CAS No) Proprietary</b>	
U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List	
<b>Antidegradant #5 (CAS No) Proprietary</b>	
U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List	
<b>Activator #1 (CAS No) Proprietary</b>	
U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List U.S. - Pennsylvania - RTK (Right to Know) List	
<b>Process Aid #4 (CAS No) Proprietary</b>	
U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List	
<b>Filler #5 (CAS No) Proprietary</b>	

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U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

### Process Aid #3 (CAS No) Proprietary

U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

### Activator #15 (CAS No) Proprietary

U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List  
U.S. - Pennsylvania - RTK (Right to Know) List

## SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Date of Preparation or Latest Revision** : 04/11/2017

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

### GHS Full Text Phrases:

Skin Sens. 1	Skin sensitization, Category 1
H317	May cause an allergic skin reaction

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

SDS US (GHS HazCom)