

**Chardon Custom Polymers LLC**  
 373 Washington Street  
 Chardon, Ohio 44024  
 Tele: 440-285-2161  
 24 Hour Emergency Number: 440-285-2161  
 Fax: 440-286-8422

## Material Safety Data Sheet

**Material Identification:**

**CCO #: 43383**

**Customer #:**

**Date of MSDS: 03/07/2014**

	<i>Hazardous Ingredients/CAS #</i>	<i>% by wt.</i>	<i>ACGIH Exposure Limits</i>	<i>OSHA Exposure Limits</i>	<i>Applicable Regulations</i>
	Carbon Black / 1333-86-4	2.034	3.5 mg/m <sup>3</sup> TLV	3.5 mg/m <sup>3</sup> PEL	OSHA Title 29 CFR 1910.1200, Cal Prop 65
	RubberSil 150D 11296-00-8	4.882			
	Zinc Oxide / 1314-13-2	1.154	10 (total), 5 (resp) mg/m <sup>3</sup> TWA	15 (total), 5 (resp) mg/m <sup>3</sup> TWA	SARA Title III
	Polydex C90 1305-78-8	2.079			
	Sulfur 7704-34-9	.29			
	Mercap 100 1332-58-7	10.396	10 (total), 5 (resp) mg/m <sup>3</sup> TWA	15 (total), 5 (resp) mg/m <sup>3</sup> TWA	SARA Title III
	Sunpar 150	20.331			SARA Title III

**Physical and Chemical Properties**

BOILING POINT	N/A	SPECIFIC GRAVITY	1.25
Vapor Pressure	N/A	Melting Point	N/A
Vapor Density	N/A	Evaporation Rate	N/A

**Solubility in Water:** Negligible

**Appearance and Odor:** Rubber solid with rubber smell

## Fire and Explosion Hazards

Flash Point: N/A

Flammable Limits

LEL: N/A

UEL: N/A

Extinguishing Media: Water

Special Fire Fighting Procedures: Wear Self Contained Breathing Apparatus

Unusual Fire and Explosion Hazards: None

---

## Reactivity Data

Avoid temperatures above 450°F

## Health Hazard Data

Even though this material is considered an inert non-hazardous solid, it contains more than 1% of ingredients listed as hazardous in OSHA 1910.1200. Therefore, inhalation of fumes and vapors from hot rubbers, compounds, and vulcanizates should be avoided. Provide adequate ventilation.

Carcinogenicity: This compound contains materials at more than 0.1% that are classified as carcinogens. Polymer bound dispersions generally preclude the possibility of airborne dust of the active ingredient

Emergency First Aid Procedures: If victim has difficulty breathing, get fresh air and call physician.  
If a rash or irritation occurs wash with cold water and call physician.

---

## Precautions for Safe Handling and Use

In the event of a spill, treat the material as a solid waste and dispose of in accordance with local, state, and federal regulations pertaining to polymeric substances.

Store in a cool, dry area.

## Control Measures

Practice good personal hygiene and wear cloth gloves and goggles when working with material.

---

The above information is accurate to the best of our knowledge. However, Chardon Custom Polymers LLC makes no warranty expressed or implied with respect to this information and disclaims all liability for reliance thereon. The information and recommendations are offered for the user's consideration and examination; it is the user's responsibility to satisfy them-selves that they are suitable and complete for a particular use.

0

Chardon Custom Polymers LLC  
373 Washington Street  
Chardon, Ohio 44024  
Tele: 440-285-2161  
24 Hour Emergency Number: 440-285-2161  
Fax: 440-286-8422

## Material Safety Data Sheet

0

**Material Identification: 45019**

**Date of MSDS: March 7, 2014**

<i>Hazardous Ingredients</i>	<i>Exposure Limits</i>	<i>% b wt.</i>	<i>Other Applicable Regulations</i>
Carbon black	3.5 mg/m <sup>3</sup>	42.626	
Tetramethylthiuram Monosulfide		0.26	
Tetramethylthiuram Disulfide	5 mg/m <sup>3</sup>	0.346	OSHA Title 29 CFR 1910.1200
Zinc Oxide	10 mg/m <sup>3</sup>	1.040	SARA Title III
N-phenyl-N'-p-phenylenediamine		0.694	OSHA Title 29 CFR 1910.1200

0

### Physical and Chemical Properties

BOILING POINT	N/A	SPECIFIC GRAVITY WATER =1	1.24
Vapor Pressure	N/A	Melting Point	N/A
Vapor Density	N/A	Evaporation Rate Butyl Acetate =1	N/A

**Solubility in Water:** Negligible

**Appearance and Odor:** Rubber solid with rubber smell

0

### Fire and Explosion Hazards

**Flash Point:** N/A

**Flammable Limits**

**LEL:** N/A

**UEL:** N/A

**Extinguishing Media:** Water

**Special Fire Fighting Procedures:** Wear Self Contained Breathing Apparatus

**Unusual Fire and Explosion Hazards:** Will emit ACN gas.

---

0

### **Reactivity Data**

Avoid temperatures above 450°F

### **Health Hazard Data**

This material is generally not associated with any health hazards.

Carcinogenicity: Tetramethylthiuram Monosulfide is considered a carcinogen.

Emergency First Aid Procedures: If victim has difficulty breathing, get fresh air and call physician.

If a rash or irritation occurs wash with cold water and call physician.

---

0

### **Precautions for Safe Handling and Use**

In the event of a spill, treat the material as a solid waste and dispose of in accordance with local, state, and federal regulations pertaining to polymeric substances.

Store in a cool, dry area.

### **Control Measures**

Practice good personal hygiene and wear cloth gloves and goggles when working with material.

---

0

0

Chardon Custom Polymers LLC  
373 Washington Street  
Chardon, Ohio 44024  
Tele: 440-285-2161  
24 Hour Emergency Number: 440-285-2161  
Fax: 440-286-8422

### Material Safety Data Sheet

0

Material Identification: 45096

Date of MSDS: February 17, 2011

<i>Hazardous Ingredients</i>	<i>Exposure Limits</i>	<i>% b wt.</i>	<i>Other Applicable Regulations</i>
Carbon black	3.5 mg/m <sup>3</sup>	30.76	
Tetramethylthiuram Monosulfide		0.31	
Tetramethylthiuram Disulfide	5 mg/m <sup>3</sup>	0.52	OSHA Title 29 CFR 1910.1200
Zinc Oxide	10 mg/m <sup>3</sup>	2.10	SARA Title III
N-phenyl-N'-p-phenylenediamine		0.84	OSHA Title 29 CFR 1910.1200
PVC Homopolymer		16.85	

0

### Physical and Chemical Properties

BOILING POINT	N/A	SPECIFIC GRAVITY WATER =1	1.26
Vapor Pressure	N/A	Melting Point	N/A
Vapor Density	N/A	Evaporation Rate Butyl Acetate =1	N/A

Solubility in Water: Negligible

Appearance and Odor: Rubber solid with rubber smell

0

### Fire and Explosion Hazards

Flash Point: N/A

Flammable Limits

LEL: N/A

UEL: N/A

Extinguishing Media: Water

Special Fire Fighting Procedures: Wear Self Contained Breathing Apparatus

Unusual Fire and Explosion Hazards: Will emit ACN gas.

---

0

**Reactivity Data**

Avoid temperatures above 450°F

**Health Hazard Data**

This material is generally not associated with any health hazards.

Carcinogenicity: Tetramethylthiuram Monosulfide is considered a carcinogen.

Emergency First Aid Procedures: If victim has difficulty breathing, get fresh air and call physician.  
If a rash or irritation occurs wash with cold water and call physician.

---

0

**Precautions for Safe Handling and Use**

In the event of a spill, treat the material as a solid waste and dispose of in accordance with local, state, and federal regulations pertaining to polymeric substances.

Store in a cool, dry area.

**Control Measures**

Practice good personal hygiene and wear cloth gloves and goggles when working with material.

---

---

0

---

---

Chardon Custom Polymers LLC.  
373 Washington Street  
Chardon, Ohio 44024  
Tele: 440-285-2161  
24 Hour Emergency Number: 440-285-2161  
Fax: 440-286-8422

### Material Safety Data Sheet

---

Material Identification: 44014

Date of MSDS: March 7, 2014

<i>Hazardous Ingredients/CAS #</i>	<i>% by wt.</i>	<i>ACGIH Exposure Limits</i>	<i>OSHA Exposure Limits</i>	<i>Applicable Regulations</i>
2-chloro-1,3-butadiene polymers	15.177			OSHA Title 29 CFR 1910.1200
Carbon Black 1333-86-4	14.570	3.5 mg/m <sup>3</sup>	3.5 mg/m <sup>3</sup>	OSHA Title 29 CFR 1910.1200
Sunpar 150	6.071			SARA Title III
Zinc Oxide 1314-13-2	.911			SARA Title III

---

### Physical and Chemical Properties

BOILING POINT	N/A	SPECIFIC GRAVITY WATER =1	1.41
Vapor Pressure	N/A	Melting Point	N/A
Vapor Density	N/A	Evaporation Rate Butyl Acetate =1	N/A

Solubility in Water: Negligible

Appearance and Odor: Rubber solid with rubber smell

---

### Fire and Explosion Hazards

Flash Point: N/A

Flammable Limits

LEL: N/A

UEL: N/A

Extinguishing Media: Water

Special Fire Fighting Procedures: Wear Self Contained Breathing Apparatus

**Unusual Fire and Explosion Hazards:**

---

**Reactivity Data**

Avoid temperatures above 450°F

**Health Hazard Data**

Even though this material is considered an inert non-hazardous solid, it contains more than 1% of ingredients listed as hazardous in OSHA 1910.1200. Therefore, inhalation of fumes and vapors from hot rubbers, compounds, and vulcanizates should be avoided. Provide adequate ventilation.

Carcinogenicity: This compound contains materials at more than .1% that are classified as carcinogens. Polymer bound dispersions generally preclude the possibility of airborne dust of the active ingredient

Emergency First Aid Procedures: If victim has difficulty breathing, get fresh air and call physician.  
If a rash or irritation occurs wash with cold water and call physician.

---

**Precautions for Safe Handling and Use**

In the event of a spill, treat the material as a solid waste and dispose of in accordance with local, state, and federal regulations pertaining to polymeric substances.

Store in a cool, dry area.

**Control Measures**

Practice good personal hygiene and wear cloth gloves and goggles when working with material.

---

The above information is accurate to the best of our knowledge. However, Chardon Custom Polymers LLC makes no warranty expressed or implied with respect to this information and disclaims all liability for reliance thereon. The information and recommendations are offered for the user's consideration and examination; it is the user's responsibility to satisfy them-selves that they are suitable and complete for a particular use.



---

Chardon Custom Polymers LLC.  
373 Washington Street  
Chardon, Ohio 44024  
Tele: 440-285-2161  
24 Hour Emergency Number: 440-285-2161  
Fax: 440-286-8422

---

### Material Safety Data Sheet

---

Material Identification: 44015

Date of MSDS: March 04, 2012

<i>CRC Code #</i>	<i>Hazardous Ingredients/CAS #</i>	<i>% by wt.</i>	<i>ACGIH Exposure Limits</i>	<i>OSHA Exposure Limits</i>	<i>Applicable Regulations</i>
	2-chloro-1,3-butadiene polymers	14.589			OSHA Title 29 CFR 1910.1200
	Carbon Black 1333-86-4	22.281	3.5 mg/m <sup>3</sup>	3.5 mg/m <sup>3</sup>	OSHA Title 29 CFR 1910.1200
	Sunpar 150	5.835			SARA Title III
	Zinc Oxide 1314-13-2	0.796			SARA Title III

---

### Physical and Chemical Properties

BOILING POINT	N/A	SPECIFIC GRAVITY WATER =1	1.45
Vapor Pressure	N/A	Melting Point	N/A
Vapor Density	N/A	Evaporation Rate Butyl Acetate =1	N/A

**Solubility in Water:** Negligible

**Appearance and Odor:** Rubber solid with rubber smell

---

### Fire and Explosion Hazards

**Flash Point:** N/A

**Flammable Limits**

**LEL:** N/A

**UEL:** N/A

**Extinguishing Media:** Water

**Special Fire Fighting Procedures:** Wear Self Contained Breathing Apparatus

### Unusual Fire and Explosion Hazards:

---

### Reactivity Data

Avoid temperatures above 450°F

### Health Hazard Data

Even though this material is considered an inert non-hazardous solid, it contains more than 1% of ingredients listed as hazardous in OSHA 1910.1200. Therefore, inhalation of fumes and vapors from hot rubbers, compounds, and vulcanizates should be avoided. Provide adequate ventilation.

Carcinogenicity: This compound contains materials at more than .1% that are classified as carcinogens. Polymer bound dispersions generally preclude the possibility of airborne dust of the active ingredient

Emergency First Aid Procedures: If victim has difficulty breathing, get fresh air and call physician.  
If a rash or irritation occurs wash with cold water and call physician.

---

### Precautions for Safe Handling and Use

In the event of a spill, treat the material as a solid waste and dispose of in accordance with local, state, and federal regulations pertaining to polymeric substances.

Store in a cool, dry area.

### Control Measures

Practice good personal hygiene and wear cloth gloves and goggles when working with material. \*

---

The above information is accurate to the best of our knowledge. However, Chardon Custom Polymers LLC makes no warranty expressed or implied with respect to this information and disclaims all liability for reliance thereon. The information and recommendations are offered for the user's consideration and examination; it is the user's responsibility to satisfy them-selves that they are suitable and complete for a particular use.

---

Chardon Custom Polymers LLC.  
373 Washington Street  
Chardon, Ohio 44024  
Tele: 440-285-2161  
24 Hour Emergency Number: 440-285-2161  
Fax: 440-286-8422

---

### Material Safety Data Sheet

---

Material Identification: 44016

Date of MSDS: March 21, 2012

CRC Code #	Hazardous Ingredients/CAS #	% by wt.	ACGIH Exposure Limits	OSHA Exposure Limits	Applicable Regulations
	2-chloro-1,3-butadiene polymers	15.314			OSHA Title 29 CFR 1910.1200
	Carbon Black 1333-86-4	42	3.5 mg/m <sup>3</sup>	3.5 mg/m <sup>3</sup>	OSHA Title 29 CFR 1910.1200
	Sunpar 150	12.937			SARA Title III
	Zinc Oxide 1314-13-2	0.924			SARA Title III

---

### Physical and Chemical Properties

BOILING POINT	N/A	SPECIFIC GRAVITY WATER =1	1.31
Vapor Pressure	N/A	Melting Point	N/A
Vapor Density	N/A	Evaporation Rate Butyl Acetate =1	N/A

**Solubility in Water:** Negligible

**Appearance and Odor:** Rubber solid with rubber smell

---

### Fire and Explosion Hazards

**Flash Point:** N/A

**Flammable Limits**

**LEL:** N/A

**UEL:** N/A

**Extinguishing Media:** Water

**Special Fire Fighting Procedures:** Wear Self Contained Breathing Apparatus

### **Unusual Fire and Explosion Hazards:**

---

### **Reactivity Data**

Avoid temperatures above 450°F

### **Health Hazard Data**

Even though this material is considered an inert non-hazardous solid, it contains more than 1% of ingredients listed as hazardous in OSHA 1910.1200. Therefore, inhalation of fumes and vapors from hot rubbers, compounds, and vulcanizates should be avoided. Provide adequate ventilation.

Carcinogenicity: This compound contains materials at more than .1% that are classified as carcinogens. Polymer bound dispersions generally preclude the possibility of airborne dust of the active ingredient

Emergency First Aid Procedures: If victim has difficulty breathing, get fresh air and call physician.  
If a rash or irritation occurs wash with cold water and call physician.

---

### **Precautions for Safe Handling and Use**

In the event of a spill, treat the material as a solid waste and dispose of in accordance with local, state, and federal regulations pertaining to polymeric substances.

Store in a cool, dry area.

### **Control Measures**

Practice good personal hygiene and wear cloth gloves and goggles when working with material.

---

The above information is accurate to the best of our knowledge. However, Chardon Custom Polymers LLC makes no warranty expressed or implied with respect to this information and disclaims all liability for reliance thereon. The information and recommendations are offered for the user's consideration and examination; it is the user's responsibility to satisfy them-selves that they are suitable and complete for a particular use.