

## 1. Identification of the product and manufacturer

<b>Product Name:</b>	<b>Infill Sponge EPDM Rubber</b>
<b>MSDS Name:</b>	Infill Sponge EPDM Rubber
<b>Product name(s):</b>	See Section 16 for Product Names Covered
<b>CAS #:</b>	Mixture
<b>Product Use:</b>	Sponge Rubber Compounds
<b>Generic Description:</b>	Foamed EPDM Rubber
<b>Manufacturer:</b>	ECORE International Inc., 715 Fountain Avenue, Lancaster, PA 17601
<b>24-hour Emergency Assistance:</b>	Telephone: 1-800-227-0332 (Outside U.S. 7-703-527-3887)
<b>General Assistance:</b>	CHEMTREC Telephone: 1-800-424-9300
<b>Information:</b>	Telephone: 1-800-322-1923 or 1-717-295-3400 (8:00 a.m. to 5:00 p.m. EST)

## 2. Hazard(s) identification

<b>Emergency overview:</b>	Eye and Skin irritant; limit exposure by using appropriate PPE. Ingredients are encapsulated in a polymeric binder which prevents direct contact.
<b>Potential Health Effects:</b>	
<b>Eyes</b>	The product is classified as an eye irritant because it contains calcium oxide, which is an irritant. Ingredients are encapsulated in a polymeric binder which prevents direct
<b>Skin</b>	The product is classified as a skin irritant because it contains calcium oxide. Ingredients are encapsulated in a polymeric binder which prevents direct contact. Primary skin irritation is unlikely. May cause mechanical irritation. Not likely to be absorbed through skin in toxic amounts.
<b>Inhalation</b>	Inhalation of fumes from hot processes may irritate nose, throat and respiratory tract.
<b>Ingestion</b>	Accidental ingestion is unlikely to cause adverse effects.

## 3. Composition / Information on ingredients

Components	CAS #	Percent
Carbon black	1333-86-4	15-40%
Calcium oxide	1305-78-8	1 - 5%
Zinc oxide	1314-13-2	1 - 5%

*These ingredients are encapsulated in a polymeric binder which minimizes the potential for exposure by inhalation, skin contact or ingestion.*

## 4. First aid measures

<b>Eye contact</b>	Flush with plenty of flowing water while holding eyelids open. Get medical attention if irritation persists
<b>Skin contact</b>	Wash off with water
<b>Inhalation</b>	Remove to fresh air
<b>Ingestion</b>	Wash out mouth with water

### 5. Fire fighting measures

**Hazardous combustion products:** Oxides of Carbon, Sulphur, Nitrogen, Copper, Zinc  
**Suitable extinguishing media:** Use media for primary cause of fire  
**Fire fighting equipment/instructions:** Use self-contained breathing apparatus  
**Flash point:** Not applicable

### 6. Accidental release measures

**Emergency action:** Wear appropriate personal protective equipment. Follow all Local, State and Federal regulations for disposal. Regulations vary. Consult local authorities before disposal.  
**Spill or leak procedure:** Sweep up  
**Containment procedures:** Not applicable

### 7. Handling and storage

**Handling:** Wash hands and other exposed skin after handling and before eating, drinking etc.; avoid skin and eye contact  
**Storage:** Store in dry location in closed containers away from strong oxidizing agents and acids.

### 8. Exposure controls / P.P.E.

**Engineering controls:** Closed system and/or local exhaust ventilation recommended to prevent inhalation of aerosols generated from hot processes.

**Personal protective equipment:**

**Eye protection** Wear safety glasses with side shields.  
**Skin & body protection** Use impervious gloves.  
**Respiratory protection** Need for respiratory protection is not anticipated

**Additional exposure data: LD50/LC50**

Carbon black -- Oral (rat) > 10,000 mg/kg; dermal not available; inhalation (rats/mice) 156 mg/m3  
 Calcium oxide -- Not available  
 Zinc oxide -- Oral (mouse) 7950 mg/kg; dermal not available; inhalation not available

### 9. Physical & chemical properties

**Appearance, Physical State and Odour:** black solid, characteristic odour      **Density:** 1.24  
**Odour Threshold:** Not Available      **pH:** Not applicable  
**Melting Point:** Not applicable      **Vapour Pressure:** Not applicable  
**Boiling Point:** Not applicable      **Vapour Pressure:** Not applicable  
**Solubility in water:** Insoluble      **Evaporation Rate:** Not applicable  
**Coefficient of water/oil distribution:** Not available

### 10. Stability and reactivity

**Hazardous reactions/ decomposition products:** Oxides of Copper, Carbon, Sulphur, Zinc and Nitrogen at combustion temperatures, Carbon disulphide  
**Hazardous polymerization:** Will not occur  
**Conditions to avoid:** Contact with incompatible materials, and very high temperatures  
**Incompatible Materials:** Strong acids and oxidizing agents  
**Stability:** Stable

**11. Toxicological information**

<u>Component</u>	<u>Occupational Exposure Limit</u>	<u>Source</u>
Carbon black	3 mg/m <sup>3</sup> TLV-TW A	ACGIH 2000
Calcium oxide	2 mg/m <sup>3</sup> TLV-TW A	ACGIH 2000
Zinc oxide	10 mg/m <sup>3</sup> TLV-TW A	ACGIH 2000

**Chronic Effects:**

**Carbon black:** Contains trace amounts of absorbed polynuclear aromatic hydrocarbons (PAH), some of which have been found to be carcinogenic in animal studies. Carbon black has been found to cause cancer in animals and is considered a 2B carcinogen (known animal, possible human) by IARC. No evidence of Carbon black causing cancer in humans has ever been shown. Carbon black is not considered a carcinogen by ACGIH or NTP.

**Zinc Oxide:** "Oxide Pox" and occupational dermatitis can occur in cases where zinc oxide dust combines with debris and bacteria to block sweat glands on the skin as a result of poor personal hygiene.

**12. Ecological information**

**Ecotoxicological information:** No data available for this product.

**13. Disposal considerations**

It is the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable local, state, and federal regulations.

**Waste disposal:** Dispose of waste material in accordance with Local, State, Federal, and Provincial Environmental regulations; contact Regional Environmental Agency.

**14. Transport information**

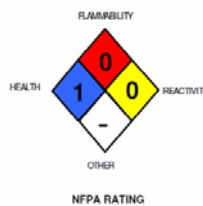
**TDG Class:** Not applicable

**PIN:** Not applicable

**15. Regulatory information**

**HMIS Ratings:**

protection: B



Health: 1  
Flammability: 0  
Physical hazard: 0

**WHMIS labeling and classification:**

Class D2A - contains an IARC Carcinogen @ > 0.1% (Carbon black)  
Class D2B - contains a skin and eye irritant @ > 1% (Calcium Oxide)

**16. Other Information**

**Disclaimer:** The data in this MSDS has been compiled from publicly available sources. This data relates only to the designated product and not to the use of said product in combination with other materials. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Responsibility for proper precautions and safe use of the product lies with the user. All data in the MSDS is typical of the product as a whole, and does not represent any individual lot or batch, therefore ECORE International Inc. makes no warranty about the accuracy of the data herein and assumes no liability for the use of such data. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.

\*\*\* End of MSDS \*\*\*