

# SAFETY DATA SHEET

## SECTION 1

### PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT:**

Product Identifier: Conduplug™  
 Product Description: Grey Conductive Carbonaceous Concrete  
 Recommended Use: Close Interval Survey Road Plug

**COMPANY IDENTIFICATION:  
 SUPPLIER**

**SAE Inc.**  
 19 CHURCHILL DRIVE  
 BARRIE, ONTARIO, CANADA L4N 8Z5  
 + (705) 733-3307  
 www.saeinc.com

## SECTION 2

### HAZARDS IDENTIFICATION

	CAS. NO.	ACUTE LETHALITY
Carbon	7440-44-0	LD50 ivn-mus 440/mg/kg
Portland Cement	65997-15-1	Not available

**CLASSIFICATION:**

EC CLASSIFICATION: NON-HAZARDOUS  
 HEALTH HAZARDS: Not classified as dangerous under EC criteria.  
 ENVIRONMENTAL HAZARDS: Not a health hazard when used under normal conditions.  
 Not classified as dangerous for the environment.



**LABELLING:**

**SYMBOLS:** Caution



**Signal Word:** Caution

**Hazard Statements**

- H316: Causes mild skin irritation
- H320: Causes eye irritation
- H335: May cause respiratory irritation

**Precautionary Statements**

- P264: Wash hands thoroughly after handling
- P280: Wear protective gloves/clothing/eye protection/face protection.
- P284: In case of inadequate ventilation wear NIOSH 95 approved dust respirator.
- P305+P351+P338: If in eyes; Rinse continuously with water for several minutes. Remove contact lenses, if present. Continue rinsing.
- P337+P313: If eye irritation persists: Get medical advice/attention.
- P402: Store in a dry place.

## SECTION 3

### COMPOSITION / INFORMATION ON INGREDIENTS

Mixture of carbon and Portland cement.

## SECTION 4

### FIRST AID MEASURES



- EYE:** Immediately flush eyes with running water for a minimum of 20 minutes by the clock while forcing eyelids open during flushing. Obtain medical attention immediately after flushing.
- SKIN:** Wash affected areas with soap and running water while removing contaminated clothing. Launder contaminated clothing before reuse.
- INHALATION:** Remove to fresh air. Give artificial respiration if not breathing. Get immediate medical attention.
- INGESTION:** Get immediate medical attention. If conscious, give 2 glasses of water or milk. Do not give anything by mouth to an unconscious or convulsing person. Do not induce vomiting.

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**SECTION 5 FIRE FIGHTING MEASURES**

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- FLASH POINT:** Carbonic matter: May burn if exposed to temperatures above 1290 deg F (700 deg C)
- SPECIAL FIRE FIGHTING PROCEDURES:** Fire fighters should wear self-contained breathing apparatus and full protective clothing. Water will set up product.
- EXPLOSION DATA:** Powders and dusts may cause an explosion hazard under certain conditions; these conditions are unlikely during normal use.

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**SECTION 6 ACCIDENTAL RELEASE MEASURES**

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- SPILL or LEAK PROCEDURE:** Avoid all personal contact. Wear protective equipment listed in Section 8. Shut off source of leak if safe to do so. Contain spill. Shovel, sweep or vacuum up spilled material. Avoid producing dust. Shovel into containers.

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**SECTION 7 HANDLING AND STORAGE**

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- HANDLING PROCEDURES AND EQUIPMENT:** Avoid all personal contact with this product. Avoid breathing dusts by wearing a NIOSH 95 approved dust respirator. Do not use this product in a confined space without adequate local exhaust ventilation. Washing facilities should be readily available when using this product. Wash thoroughly after handling.
- STORAGE REQUIREMENTS:** Store in a dry, well-ventilated area. Protect containers from damage or water. Do not store near food and beverages or smoking materials. Conducrete® must be stored in unopened bags clear of the ground in cool, dry conditions. Storage should be such that no dampness or moisture is allowed to reach Conducrete® either from the ground, walls or from the environment. This becomes particularly important during the humid season and in coastal regions when atmospheric air contains higher amount of moisture in it. Do not store Conducrete® in a building where walls, roof and floor are not completely weather proof. Do not stack against the wall. Do not store Conducrete® bags directly the floor; place on a wooden pallet or plastic sheet. Plastic is effective as a barrier to keep the Conducrete® from absorbing moisture. Do not keep bags on the ground for temporary storage at work site. Pile on raised dry platform e.g. skid and cover with plastic. If no skid is available place Conducrete® on plastic sheet. Conducrete® bags can be torn or otherwise damaged by careless or rough handling, by sharp edges, by nails sticking out of the wooden pallets, by dropping from excessive heights, by the forks of forklift trucks, etc. Conducrete® bags being transported on trucks should also be protected from rain, drizzle, sea spray, and splashes from puddles and potholes, etc.



Shelf life is limited by direct contact with moisture and or elevated levels of humidity.

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**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**OCCUPATIONAL EXPOSURE LIMITS:**

**REGULATION RESPECTING CONTROL OF CHEMICAL AND BIOLOGICAL AGENTS (Ont. Reg. 833)**

	TWAEV	STEV	CEV
Portland cement, Respirable containing no asbestos and <1% crystalline silica	1.0 mg/m <sup>3</sup>		

**ENGINEERING CONTROLS:**

General mechanical and local exhaust ventilation to maintain airborne concentrations below occupational exposure limits.

**PERSONAL PROTECTIVE EQUIPMENT:**

**EYES:** Chemical goggles or safety glasses.

**SKIN:** Rubber gloves and long sleeves.

**RESPIRATORY:** Wear a NIOSH 95 approved dust respirator appropriate for airborne concentrations or dust mask.

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**SECTION 9 PHYSICAL/CHEMICAL PROPERTIES**

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<b>PHYSICAL STATE:</b>	Solid
<b>SOLUBILITY IN WATER:</b>	Insoluble
<b>APPEARANCE AND ODOUR:</b>	Gray powder, no odor.

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**SECTION 10 STABILITY AND RELIABILITY**

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<b>STABILITY:</b>	This product is stable in a closed container under normal conditions of storage and use.
<b>INCOMPATIBLE MATERIALS:</b>	May react with some metals, oxidants, acids, bromates, chlorates and iodates.
<b>CONDITIONS of REACTIVITY:</b>	Product is not considered dangerously reactive.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Heating or burning of the product releases toxic and irritating vapors and gases.
<b>SENSITIVITY to MECHANICAL IMPACT:</b>	No
<b>SENSITIVITY to STATIC DISCHARGE:</b>	No

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**SECTION 11 TOXICOLOGICAL INFORMATION**

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<b>ACUTE EFFECTS:</b>	This product is alkaline and can cause burns when moist. Contact with this product should be avoided, eye, skin and mucous membrane irritant.
<b>EYE:</b>	Direct eye contact with the product may cause injuries.
<b>SKIN:</b>	Contact with the product may result in irritation and/or dermatitis. Perspiration on the skin combined with this product may be sufficient to cause burns.



**INHALATION:** Inhalation of dust from this product may result in irritation.

**INGESTION:** Ingestion is likely to cause irritation and cramps, possibly nausea and diarrhea.

**CHRONIC EFFECTS:** Prolonged or repeated contact may cause irritation and/or dermatitis. Hypersensitive individuals may develop an allergic dermatitis.

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**SECTION 12** **ECOLOGICAL INFORMATION**

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For questions regarding toxicological and ecological information refer to contact information in Section 1.

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**SECTION 13** **DISPOSAL CONSIDERATIONS**

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**WASTE DISPOSAL:** Reuse or dispose of waste and containers in accordance with local, provincial or federal regulations.

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**SECTION 14** **TRANSPORTATION**

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This product is not classified as a Hazardous Material under U.S. DOT or Canadian TDG regulations. This material is not classified as dangerous under ADR, RID, ADNR, IMDG and IATA regulations.

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**SECTION 15** **REGULATORY INFORMATION**

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**Toxic Substances Control Act of 1976 (TSCA):** Not subject to TSCA

**CERCLA/Superfund:** This product is not listed as a CERCLA hazardous substance.

**RCRA:** If discarded in its purchased form, this product would not be a hazardous waste either by listing or characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

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**SECTION 16** **OTHER INFORMATION**

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**Updated:** June 2016