

SAFETY DATA SHEET

SECTION 1

PRODUCT AND COMPANY IDENTIFICATION

PRODUCT:

Product Identifier: EnvirAnode®
Product Description: Black Solid Impressed Current Anode
Recommended Use: Cathodic Protection

COMPANY IDENTIFICATION: SUPPLIER

SAE Inc.
691 BAYVIEW DRIVE
BARRIE, ONTARIO, CANADA L4N 9A5
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SECTION 2

HAZARDS IDENTIFICATION

CLASSIFICATION of the Substance or Mixture:

Not classified for physical or health hazards under GHS.



LABELLING:

SYMBOLS: None

Signal Word: None

Hazard Statements
Not applicable

Precautionary Statement

This product is considered inert and is not considered hazardous

SECTION 3

COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Wt. %
Calcined Petroleum Coke	64743-05-1	40 - 80
Portland Cement	65997-15-1	0.1 - 10
Deionized Water	7732-18-5	10 - 20
Proprietary polymer	n/a	10 - 20

SECTION 4

FIRST AID MEASURES

EYE: Rinse or flush exposed eye gently using water. Remove contact lenses, if present, while rinsing. If irritation persists or you are concerned seek medical attention.

SKIN: Not applicable.

INHALATION: Not applicable.

INGESTION: Rinse mouth. Do NOT induce vomiting. Do not give anything by mouth to an unconscious person. Seek medical attention if irritation persists or if concerned.

Most Important Symptoms and Effects, both Acute and Delayed:
Not applicable.

Indication of any Immediate Medical Attention and Special Treatment Needed:
If seeking medical attention proved SDS document to physician. Physician should treat symptomatically.

SECTION 5 **FIRE FIGHTING MEASURES**

FLASH POINT:	Carbonic matter: May burn if exposed to temperatures above 1290 °F (700 °C).
EXTINGUISHING MEDIA:	Use extinguishing media appropriate to the surrounding fire conditions. Water Fog, Dry Chemical, Foam, or Carbon Dioxide.
SPECIAL HAZARDS:	Products of combustion may contain carbon monoxide, carbon dioxide and sulfur dioxide. Fire fighters should wear self-contained breathing apparatus and full protective clothing as normal.
EXPLOSION DATA:	Not applicable.

SECTION 6 **ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:	Wear protective equipment listed in Section 8. Isolate spill area, preventing entry by unauthorized persons.
ENVIRONMENTAL PRECAUTIONS:	Not applicable.
METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:	Use normal housekeeping procedures. Material can be picked up by sweeping, shoveling, or vacuuming.
REFERENCE TO OTHER SECTIONS:	See Section 8 for information on selection of personal protective equipment.

SECTION 7 **HANDLING AND STORAGE**

PRECAUTIONS FOR SAFE HANDLING:	Care must be used when handling the EnvirAnode®. EnvirAnode® may fracture or break if dropped.
CONDITIONS FOR SAFE STORAGE:	Store in a dry, well-ventilated area, out of the elements. Protect from physical damage or water.

SECTION 8 **EXPOSURE CONTROLS / PERSONAL PROTECTION**

CONTROL PARAMETERS:	No applicable occupational exposure limits.
EXPOSURE CONTROLS: Engineering Controls:	Handle in accordance with good industrial hygiene and safety practice. Ensure regular cleaning of equipment, work area and clothing. If engineering controls and work practices are not effective in controlling exposure to this material, then wear suitable personal protective equipment. Have equipment available for use in emergencies such as spills or fire.
Personal Protection:	Workers must comply with the Personal Protective Equipment requirements of the workplace in which this product is handled.
Eye/Face Protection:	Not required under normal conditions of use. When necessary wear approved safety glasses with side-shields or chemical safety goggles.
Skin Protection:	Not required under normal conditions of use.
Respiratory Protection:	Not required under normal conditions of use. When necessary use NIOSH approved breathing equipment.
Other Protection:	Perform routine housekeeping. Do not eat, drink or smoke where this material is handled, stored and processed. Wash hands thoroughly before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

SECTION 9 **PHYSICAL/CHEMICAL PROPERTIES**

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	Solid; black
Odour:	Odourless
Odour Threshold:	Not applicable
pH:	Not applicable
Melting point/Freezing point:	Not applicable
Initial Boiling Point and boiling range:	Not applicable
Flash point:	Not applicable
Flammability:	Not flammable or combustible
Auto-ignition temperature:	>1290 °F, >700 °C
Upper/lower flammability or explosive limits:	Not applicable
Explosive properties:	Not applicable
Oxidizing properties:	Not applicable
Sensitivity to mechanical impact:	Not applicable
Sensitivity to static discharge:	Not applicable
Vapour pressure:	Not applicable
Vapour density:	Not applicable
Density:	72 lbs./ft ³ , 1150 kg/m ³
Solubility:	Not applicable
Partition coefficient (n-octanol/water):	Not applicable
Decomposition temperature:	>2400 °F, >1316 °C
Viscosity:	Not applicable

SECTION 10 **STABILITY AND RELIABILITY**

REACTIVITY:	Non-reactive under normal conditions.
CHEMICAL STABILITY:	Stable under normal conditions.
POSSIBILITY OF HAZARDOUS REACTIONS:	None known.
CONDITIONS TO AVOID:	Avoid contact with incompatible materials.
INCOMPATIBLE MATERIALS:	Oxidants – Incompatible with strong oxidizing agents. May begin to oxidize at temperatures above 450 °C.
HAZARDOUS DECOMPOSITION PRODUCTS:	In normal combustion, carbon oxides (CO ₂ and CO) and sulfur dioxide (SO ₂) will be released.

SECTION 11 **TOXICOLOGICAL INFORMATION**

LIKELY ROUTES OF EXPOSURE:	The EnvirAnode® is inert, insoluble and is not expected to present an ingestion, or other toxicity hazard.
ACUTE TOXICITY DATA:	Data not available.
Specific Target Organ Toxicity Single Exposure:	Data not available.
Aspiration Hazard:	Solid substance. Based on available data the classification criteria are not met.
CHRONIC TOXICITY:	Data not available.
Specific Target Organ Toxicity Repeated Exposure:	Data not available.
Respiratory and/or Skin Sensitization:	Not known to be a respiratory or skin sensitizer.
Germ Cell Mutagenicity:	Not available.
Reproductive Effects:	Not available.
Developmental Effects:	Not available.

SECTION 11	TOXICOLOGICAL INFORMATION, CONTINUED
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Carcinogenicity:	Not available.
Interactions with Other Chemicals:	Not available.

SECTION 12	ECOLOGICAL INFORMATION
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TOXICITY	The EnvirAnode® is inert and insoluble. It does not present any environmental hazards and is not a toxic hazard to aquatic organisms.
PERSISTENCE AND DEGRADABILITY:	Non-biodegradable. The EnvirAnode® is stable, unreactive in water under ambient conditions, and is insoluble.
BIOACCUMULATION POTENTIAL:	Low bioaccumulation potential as negligible water solubility restricts route of exposure to the aquatic environment.
MOBILITY IN SOIL:	Mobility is insignificant due to negligible water solubility and vapour pressure. May incorporate within soil for extended periods of time.
OTHER ADVERSE EFFECTS:	Not available

SECTION 13	DISPOSAL CONSIDERATIONS
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WASTE DISPOSAL:	Reuse or recycle material and containers whenever possible to minimize the generation of waste. All Federal, Provincial, and Local regulations regarding health and pollution must be followed for disposal.
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SECTION 14	TRANSPORT INFORMATION
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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, ADN, IMDG and IATA regulations.

Special Precautions for User:	<131 °F (55 °C) – No special precautions needed. Between 131 °F and 225 °F (55 °C and 107 °C) loading only under special conditions. >225 °F (>107 °C) – must not be loaded in cargo vessels.
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SECTION 15	REGULATORY INFORMATION
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SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE:

USA

TSCA STATUS:	Substances are listed on the TSCA inventory or are exempt.
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OSHA HazCom 2012 Hazards:	None
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CANADA

This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations* and the SDS contains all the information required by the *Controlled Products Regulations*.

WHMIS 1988 Classification:	None
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NSNR Status:	Substances are listed on the DSL or are exempt.
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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 hazardous waste.
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SECTION 16

OTHER INFORMATION

Revision Date:

August 24, 2018.

Additional Information:

This safety data sheet is believed to provide a useful summary of the hazards of EnvirAnode® as it is commonly used, but cannot anticipate and provide all of the information that might be needed in every situation.

The information provided herein was believed by SAE Inc. to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information to comply with all laws and procedures applicable to the safe handling and use of product and to determine the suitability of the product for its intended use.