

SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT:

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

**COMPANY IDENTIFICATION:
SUPPLIER**

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SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF THE MIXTURE:

Not classified for physical or health hazards under GHS.

LABELLING:

SYMBOLS: None	
Signal Word: None	
Hazard Statements:	Precautionary Statements:
<ul style="list-style-type: none"> Not applicable 	<ul style="list-style-type: none"> Observe good industrial hygiene practices This product is considered inert and is not hazardous
Trade Secret: A trade secret is being claimed for a specific chemical identity and exact percentages.	

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Wt. %
Calcined Petroleum Coke	64743-05-1	40 – 80
Proprietary Styrene Butadiene Polymer	00000-00-0	1 – 15
Portland Cement	65997-15-1	1 – 5
Deionized Water	7732-18-5	1 – 15
Non-Hazardous Components are Proprietary		

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:	Not applicable.
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® AEL Anode. The EnvirAnode® AEL Anode 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 significant water exposure.

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 REACTIVITY

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.
HAZARDOUS DECOMPOSITION PRODUCTS:	In normal combustion, carbon oxides and sulfur oxides will be released.

SECTION 11 TOXICOLOGICAL INFORMATION

LIKELY ROUTES OF EXPOSURE:	The EnvirAnode® AEL Anode is inert and insoluble, and is not expected to present an ingestion hazard, or other toxicity hazard.
ACUTE TOXICITY DATA:	Not classified.
CHRONIC TOXICITY:	Not applicable
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.
Carcinogenicity:	Not available.
Interactions with Other Chemicals:	Not available.

SECTION 12 **ECOLOGICAL INFORMATION**

TOXICITY	The EnvirAnode® AEL Anode is inert and insoluble. It does not present any environmental hazards and is not a hazard to aquatic organisms.
PERSISTENCE AND DEGRADABILITY:	Non-biodegradable. The EnvirAnode® AEL Anode 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**

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**

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.

SECTION 15 **REGULATORY INFORMATION**

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.

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*.

NSNR Status: Substances are listed on the DSL or are exempt.

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.

SECTION 16 **OTHER INFORMATION**

REVISION DATE: February 12, 2020

ADDITIONAL INFORMATION: This safety data sheet is believed to provide a useful summary of the hazards of EnvirAnode® AEL Anode as it is commonly used, but cannot anticipate and provide all of the information that might be needed in every situation. It relates specifically to the product designated and may not be valid for the product when used with any other materials or products or in a particular process.

SECTION 16

OTHER INFORMATION, CONTINUED

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. However, no representation, warranty or guarantee, express or implied, is made as to its accuracy, reliability or completeness. 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. We do not accept responsibility for any-loss or damage which may occur from the use of this information.