

SAFETY DATA SHEET

SECTION 1 | PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product Identifier	EnvirAnode Gen 2
Synonyms	EnvirAnode, EnvirAnode Gen 2
Product Description	Mixed Metal Oxide Impressed Current Anode
Recommended Use	Cathodic Protection

COMPANY IDENTIFICATION

Supplier	SAE Inc 691 Bayview Drive Barrie, Ontario, Canada L4N 9A5 +1 705 733 3307 www.saeinc.com
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SECTION 2 | HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE MIXTURE

Not classified for physical or health hazards under GHS.

LABELLING

Symbols

None

Signal Word

None

Hazard Statements

Not applicable

Precautionary Statements

Observe good industrial hygiene practices
This product is considered inert and is not hazardous

SECTION 3 | COMPOSITION / INFORMATION ON INGREDIENTS

This product is classified as a “manufactured article” and does not constitute a hazardous material in solid form under the definition of the OSHA Hazard Communication Standard (29 CFR 1910.1200) and Section 12 of the Canadian Hazardous Products Act.

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SECTION 4 | FIRST AID MEASURES

4.1 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.

4.2 SKIN

Not applicable.

4.3 INHALATION

Not applicable.

4.4 INGESTION

Not applicable.

4.5 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Not applicable.

4.6 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

If seeking medical attention provide SDS document to physician. Physician should treat symptomatically.

SECTION 5 | FIRE FIGHTING MEASURES

5.1 FLASHING POINT

Not applicable.

5.2 EXTINGUISHING MEDIA

For molten metal use dry powder or sand.

5.3 SPECIAL HAZARDS

Do not use water on molten metal. Do not use carbon dioxide. Firefighters should not enter confined spaces without wearing NIOSH/MSHA approved positive pressure breathing apparatus (SCBA) with full mask and full protective equipment.

5.4 EXPLOSION DATA

Not applicable.

SECTION 6 | ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Not applicable.

6.2 ENVIRONMENTAL PRECAUTIONS

Not applicable.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Use normal housekeeping procedures.

6.4 REFERENCE TO OTHER SECTIONS

See Section 8 for information on selection of personal protective equipment.

SECTION 7 | HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Care must be used when handling the EnvirAnode Gen 2.

7.2 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

8.1 CONTROL PARAMETERS

No applicable occupational exposure limits.

8.2 EXPOSURE CONTROLS

8.2.1 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 product, then wear suitable personal protective equipment. Have equipment available for use in emergencies such as spills or fire.

8.2.2 Personal Protection

Workers must comply with the Personal Protective Equipment requirements of the workplace in which this product is handled.

8.2.3 Eye / Face Protection

Not required under normal conditions of use. When necessary wear approved safety glasses with side-shields or chemical safety goggles.

8.2.4 Skin Protection

Not required under normal conditions of use.

8.2.5 Respiratory Protection

Not required under normal conditions of use. When necessary use NIOSH approved breathing equipment.

8.2.6 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

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid; black rod
Odor	Odorless
Odor Threshold	Not applicable
pH	Not applicable

Melting Point	3034 °F, 1668 °C
Initial Boiling Point and Boiling Range	Not applicable
Flash Point	Not applicable
Flammability	Not flammable or combustible
Auto-ignition temperature	Not applicable
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
Vapor Pressure	Not applicable
Vapor Density	Not applicable
Density	145 lbs/ft ³ , 2326 kg/m ³
Solubility	Not applicable
Partition Coefficient (n-octanol / water)	Not applicable
Decomposition Temperature	Not applicable
Viscosity	Not applicable

SECTION 10 | STABILITY AND REACTIVITY

10.1 REACTIVITY

Non-reactive under normal conditions.

10.2 CHEMICAL STABILITY

Stable under normal conditions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

None known.

10.4 CONDITIONS TO AVOID

Avoid contact with incompatible materials.

10.5 INCOMPATIBLE MATERIALS

Avoid contact with strong mineral acids and oxidizing agents, which may generate hydrogen gas; the evolution of hydrogen may be an explosion hazard.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

In the absence of moisture, titanium burns slowly but produces a lot of heat. Titanium can burn in nitrogen and carbon dioxide atmospheres above 1562 °F (850 °C).

SECTION 11 | TOXICOLOGICAL INFORMATION

11.1 LIKELY ROUTES OF EXPOSURE

The EnvirAnode Gen 2 is inert and insoluble, and is not expected to present an ingestion hazard, or other toxicity hazard.

11.2 ACUTE TOXICITY DATA

Not classified.

11.3 CHRONIC TOXICITY

Not applicable

11.3.1 Respiratory and/or Skin Sensitization

Not known to be a respiratory or skin sensitizer.

11.3.2 Germ Cell Mutagenicity

Not available.

11.3.3 Reproductive Effects

Not available.

11.3.4 Developmental Effects

Not available.

11.3.5 Carcinogenicity

Not available.

11.3.6 Interactions with Other Chemicals

Not available.

SECTION 12 | ECOLOGICAL INFORMATION

12.1 TOXICITY

The EnvirAnode Gen 2 is inert and insoluble. It does not present any environmental hazards and is not a hazard to aquatic organisms.

12.2 PERSISTENCE AND DEGRADABILITY

Non-biodegradable. The EnvirAnode Gen 2 is stable, unreactive in water under ambient conditions, and is insoluble.

12.3 BIOACCUMULATION POTENTIAL

Low bioaccumulation potential as negligible water solubility restricts route of exposure to the aquatic environment.

12.4 MOBILITY IN SOIL

Mobility is insignificant due to negligible water solubility and vapor pressure. May incorporate within soil for extended periods of time.

12.5 OTHER ADVERSE EFFECTS

Not available.

SECTION 13 | DISPOSAL CONSIDERATIONS

13.1 WASTE DISPOSAL

Reuse or recycle packaging whenever possible to minimize the generation of waste. All Federal, Provincial / State, and Local regulations regarding health and pollution must be followed for disposal.

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

15.1 USA

15.1.1 TSCA Status

Substances are listed on the TSCA inventory or are exempt.

15.2 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*.

15.2.1 NSNR Status

Substances are listed on the DSL or are exempt

15.2.2 RCRA

If discarded in its purchased form, this product would not be a hazardous waste 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

16.1 REVISION DATE

April 12, 2022

16.2 ADDITIONAL INFORMATION

This safety data sheet is believed to provide a useful summary of the hazards of EnvirAnode Gen 2 as it is commonly used but cannot anticipate and provide all 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 within any other materials or products or in a particular process.

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