

SAFETY DATA SHEET

SECTION 1 | PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product Identifier	Marine Electrode
Synonyms	Marine Electrode
Product Description	Submersible Grounding Electrode
Recommended Use	Electrical Grounding

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

Trade Secret

A trade secret is being claimed for specific chemical identity and exact percentages

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.

3.1 MIXTURE

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

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

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

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

Carbonic matter: May burn if exposed to temperatures above 1290 °F (700 °C).

5.2 EXTINGUISHING MEDIA

Use extinguishing media appropriate to the surrounding fire conditions. Water Fog, Dry Chemical, Foam, or Carbon Dioxide.

5.3 SPECIAL HAZARDS

Products of combustion may contain carbon monoxide, carbon dioxide and sulfur dioxide. Firefighters should wear self-contained breathing apparatus and full protective clothing as normal.

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. Material can be picked up by sweeping, shoveling, or vacuuming.

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

The Marine Electrode may be damaged by rough handling.

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 practices.

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 installing the Marine Electrode wear approved safety glasses.

8.2.4 Skin Protection

Not required under normal conditions of use.

8.2.5 Respiratory Protection

Not required under normal conditions of use.

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.

SECTION 9 | PHYSICAL / CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid; black
Odor	Odorless
Odor 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
Vapor Pressure	Not applicable
Vapor Density	Not applicable
Density	111 lbs/ft ³ , 1778 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

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

Oxidants - Incompatible with strong oxidizing agents.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

In normal combustion, carbon oxides and sulfur oxides will be released.

SECTION 11 | TOXICOLOGICAL INFORMATION**11.1 LIKELY ROUTES OF EXPOSURE**

The Marine Electrode 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 Marine Electrode 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 Marine Electrode 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.

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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

March 11, 2022

16.2 ADDITIONAL INFORMATION

This safety data sheet is believed to provide a useful summary of the hazards of the Marine Electrode 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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