

SAFETY DATA SHEET

SECTION 1 | PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product Identifier **ConduForm**
Synonyms ConduForm
Product Description Solidifying Conductive Formable Backfill
Recommended Use Electrical Grounding Systems

COMPANY IDENTIFICATION

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

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
P264: Wash hands thoroughly after handling
P281: Use personal protective equipment as required

Trade Secret

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

SECTION 3 | COMPOSITION / INFORMATION ON INGREDIENTS

3.1 MIXTURE

Chemical Name	CAS No.	Wt. %	GHS Classification
Calcined Petroleum Coke	64743-05-1	50-80	Non-toxic

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Chemical Name	CAS No.	Wt. %	GHS Classification
Proprietary Styrene Butadiene Polymer	00000-00-0	1-20	Non-toxic
Deionized Water	7732-18-5	1-20	Not available
Non-Hazardous Components are Proprietary			

SECTION 4 | FIRST AID MEASURES

4.1 EYE

Protect unexposed eye. Immediately flush eyes with running water for a minimum of 15 minutes by the clock while forcing eyelids open during flushing. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists or if concerned seek medical attention.

4.2 SKIN

Wash hands and exposed skin with soap and plenty of water. Seek medical attention if irritation persists or concerned.

4.3 INHALATION

If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If breathing has stopped, administer artificial respiration and supply oxygen. If problems persist, seek medical attention.

4.4 INGESTION

Rinse mouth thoroughly. Do NOT induce vomiting. Immediately give water. Never 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

Irritation, headache, nausea. Ingestion may cause adverse effects.

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 SUITABLE EXTINGUISHING MEDIA

Use Water Fog, Dry Chemical, Chemical Foam, or Carbon Dioxide.

5.2 UNSUITABLE EXTINGUISHING MEDIA

Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.3 SPECIAL HAZARDS

Product is not flammable or combustible but may burn at high temperatures. Products of combustion may contain carbon monoxide, carbon dioxide and sulfur dioxide. Do not enter permitted confined space or enclosed area without proper PPE.

5.4 ADVICE FOR FIREFIGHTERS

5.4.1 Protective Equipment

Use water spray or fog for cooling exposed containers. Wear protective eyewear, gloves, and clothing. Refer to Section 8. Wear chemical protective clothing and positive pressure self-contained breathing apparatus (SCBA).

5.4.2 Additional Information (Precautions)

Avoid inhaling gases, fumes, dust, mist, vapor, and aerosols. Avoid contact with skin, eyes, and clothing.

SECTION 6 | ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Ensure adequate ventilation. Ensure that air-handling systems are operational. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Wear protective gloves, protective clothing and eye protection.

6.2 ENVIRONMENTAL PRECAUTIONS

Prevent waste material from entering sewers, natural waterways or storm water management systems. Limit leakage with binder (sand, earth, or vermiculite). Dispose of absorbed material in accordance with Local, State / Provincial / Territorial and Federal regulations.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Wear protective eyewear, gloves, and clothing. Refer to Section 8. Dike spill and containerize for disposal, use appropriate absorbent (sand, earth or vermiculite, etc). Material is not toxic and can be picked up by sweeping or shoveling. Refer to Section 13.

6.4 REFERENCE TO OTHER SECTIONS

See Section 8 for information on selection of personal protective equipment. See Section 13 for information on disposal of spilled product and contaminated absorbents.

SECTION 7 | HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. Follow good hygiene procedures when handling chemical materials. Wear protective gloves, protective clothing and eye protection. Refer to Section 8. Follow proper disposal methods. Refer to Section 13. Do not eat, drink, smoke, or use personal products when handling chemical substances.

7.2 CONDITIONS FOR SAFE STORAGE

Store in a cool location in a corrosive resistant container. Keep away from food and beverages. Protect from freezing and physical damage. Keep container tightly sealed. Store away from incompatible materials such as strong oxidizing agents. Ideal storage temperature is 10-30 °C. Do not allow the product to freeze.

SECTION 8 | EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

No applicable occupational exposure limits.

8.2 EXPOSURE CONTROLS

8.2.1 Engineering Controls

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling. Ensure adequate ventilation, especially in confined areas. Employees should wash their hands before eating or drinking.

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

Wear approved safety glasses with side-shields or chemical safety goggles.

8.2.4 Skin Protection

Wear chemical protective gloves, and protective clothing to prevent skin exposure. Avoid skin contact with used gloves. Select glove material impermeable and resistant to the substance.

8.2.5 Respiratory Protection

Not required under normal conditions of use. If irritation is experienced, approved respiratory protection should be worn. When necessary, use a NIOSH approved respirator, NIOSH 95 or similar.

8.2.6 Additional Information

May cause minor skin or eye irritation, but good hygienic practices can minimize these effects.

8.2.7 General Hygienic Measures

Perform routine housekeeping. Wash hands before breaks and at the end of work. Avoid contact with skin, eyes, and clothing. Before wearing wash contaminated clothing. Do not eat, drink, or smoke in work areas.

SECTION 9 | PHYSICAL / CHEMICAL PROPERTIES**9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	Dark blue granular slurry
Odor	Mild odor
Odor Threshold	Not applicable
pH	Not applicable
Melting Point / Freezing Point	Approximately 32 °F, 0 °C
Initial Boiling Point and Boiling Range	212 °F, 100 °C at 17mm Hg
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

Relative Density	1.075 (water = 1)
Solubility	Slightly soluble in water
Partition Coefficient (n-octanol / water)	Not applicable
Decomposition Temperature	>350 ° F, >177 ° 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 under normal processing.

10.4 CONDITIONS TO AVOID

Incompatible materials. Extreme heat and open flames. Extreme low temperatures. May burn if exposed to temperatures above 1290 °F (700 °C).

10.5 INCOMPATIBLE MATERIALS

Strong acids. Oxidizing agents; other strong oxidants.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide, carbon dioxide, sulfur dioxide.

SECTION 11 | TOXICOLOGICAL INFORMATION

11.1 LIKELY ROUTES OF EXPOSURE

Eye and skin contact. Ingestion.

11.2 ACUTE TOXICITY DATA

Not classified.

11.3 CHRONIC TOXICITY

Not applicable

11.3.1 Germ Cell Mutagenicity

Not applicable.

11.3.2 Reproductive Effects

This product is not expected to cause reproductive or developmental effects.

11.3.3 Carcinogenicity

The ingredients of this product are not classed as carcinogenic by ACGIH, IARC, OSHA, or NTP.

SECTION 12 | ECOLOGICAL INFORMATION

12.1 TOXICITY

Non-toxic.

12.2 PERSISTENCE AND DEGRADABILITY

High persistence in soil as degradation is not expected to be a significant fate in organisms or the environment.

12.3 BIOACCUMULATION POTENTIAL

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

12.4 MOBILITY IN SOIL

Not available.

12.5 OTHER ADVERSE EFFECTS

No other adverse environmental effects are expected. Attempts to quantify unalkylated PAH, sulfur, and metal leachate values remained below detection limits under freshwater test conditions. PAH values were below detection limits and metals did not exceed soil background levels.

SECTION 13 | DISPOSAL CONSIDERATIONS

13.1 DISPOSAL METHODS

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Untreated waste should not be released to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe manner. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff, and contact with soil, waterways, drains and sewers.

SECTION 14 | TRANSPORT INFORMATION

14.1 UN NUMBER

Not regulated.

14.2 UN PROPER SHIPPING NAME

Not regulated.

14.3 TRANSPORT HAZARD CLASS(ES)

Not applicable.

14.4 PACKING GROUP

Not applicable.

14.5 ENVIRONMENTAL HAZARDS

Not available.

14.6 SPECIAL PRECAUTIONS FOR USER

Not available.

14.7 U.S. HAZARDOUS MATERIALS REGULATION (DOT 49CFR)

Not regulated.

14.8 CANADA TRANSPORTATION OF DANGEROUS GOODS (TDG)

Not regulated.

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

SECTION 16 | OTHER INFORMATION

16.1 REVISION DATE

November 19, 2021

16.2 ADDITIONAL INFORMATION

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