SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Epoxy Coating
CAS Number: Not Applicable
Synonyms: Not Applicable
Use/Description: Protective coating on PC Strand

***SUMIDEN WIRE PRODUCTS Mill Locations (*24 Hour Contact – CHEMTREC 1-800-424-9300)**		
Sumiden Wire Products 710 Marshall Stuart Dr Dickson, TN 37055 (615) 446-3199	Sumiden Wire Products 1800 Highway 146 Dayton, TX 77535 (936) 257-6010	Sumiden Wire Products 1412 El Pinal Dr Stockton, CA 95205 (209) 466-8924

2. HAZARDS IDENTIFICATION

Emergency Overview

Customer processes (such as welding, sawing, brazing, grinding, abrasive blasting, etc.) may result in the formation of fumes, dust, and/or particulate that may present the following hazards:

Classification the substance or mixture according to 2012 OSHA HCS (29 CFR 1910.1200):

H317: Skin Sensitisation (Cat 1)
H319: Eye Irritation (Cat 2)
OSHA001: Combustible Dust

Label elements:

Signal Word:

WARNING

Pictogram(s):

GHS07

Hazard Statement(s):

H317: May cause an allergic skin reaction
H319: Causes serious eye irritation

Precautionary Statement(s):

P243: Take precautionary measures against static discharge.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash C thoroughly after handling.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P290: Avoid generation or accumulation of dust.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313: advice/attention.
P337+P313: If eye irritation persists: Get medical advice/attention.
P363: Wash contaminated clothing before reuse.
P404: Store in a closed container.
P501: Dispose of contents/container in accordance with local regulations.

OSHA Statement

May form combustible dust concentrations in air

Other hazards

Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances presenting a hazard within the meaning of the OSHA 29 CFR 1910 (2012)

Component name	CAS No.	% by weight
DGEBPA-b	25036-25-3	95 – 100
Ortho tolyl biguanidine	93-69-6	0.1 - 1.0

4. FIRST AID MEASURES

General

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation

Remove to fresh air, keep patient warm. Keep at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.

Skin Contact

Immediately remove all contaminated clothing. Wash skin thoroughly with soap and water or use recognized skin cleanser. DO NOT use solvents or thinners.

Eye Contact

Remove contact lenses, keep eyelids open. Flush with plenty of clean, fresh water (10 - 15 min.). If irritation persists, seek medical attention.

Ingestion

If swallowed, do not induce vomiting. Keep at rest. Get medical attention immediately. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Flammability of the Product

Finely divided powders are potentially explosive when suspended in air. Precautions should be taken to prevent the formation of dust in concentration above flammable, explosive or occupational exposure limits. (LEL: 30 g/m^3).

Extinguishing Media

Use dry chemicals, CO2, water spray or foam. If aluminum or zinc appears in sections 3, 8 or 9 use dry chemicals only. DO NOT use water jet.

Special Exposure Hazards

Promptly isolate the scene by removing all persons from vicinity of the incident if there is a fire. No action should be taken without suitable training.

Hazardous Combustion Products

Decomposition products may contain:

- Carbon Oxides
- Nitrogen Oxides
- Sulphur Oxides
- Metal Oxide / Oxides

6. ACCIDENTAL RELEASE MEASURES

Small Spill & Leak

Move containers from spill area. Use appropriate tools to put spilled solid in an identified waste disposal container. Dispose of according to local and regional authority requirements.

Large Spill & Leak

Move containers from spill area. Prevent entry into sewers, water courses or confined areas. Avoid creating dusty conditions, use water spray to reduce dust. Eliminate all source of ignition. Use appropriate tools to put spilled solid in an identified waste disposal container. Dispose of according to local and regional authority requirements.

Environmental Precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

7. HANDLING AND STORAGE

Handling

Use appropriate personal protective equipment (see section 8). Precautions should be taken to prevent formation of dust in concentrations above flammable, explosive or occupational exposure limits. Electrical equipment and lighting should be protected to appropriate standards to prevent dust from coming into contact with hot surfaces, sparks or other ignition sources. Wash hands and face before eating, drinking and smoking. Avoid contact with skin and eyes. Avoid inhalation of dust and particulates.

Storage

Isolate from sources of heat, sparks, open flame, and direct sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Controls

No hazardous ingredient.

Engineering Controls

Use local exhaust ventilation or other engineering controls to maintain air born levels below exposure limits. All dust control equipment such as local exhaust ventilation and material transport systems involved in handling this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment.

Personal Protection

Eye Protection

Safety eye-wear should be used when there is a likelihood of exposure.

Skin Protection

Personal should wear protective clothing. Avoid prolonged contact with skin. Use gloves when handling powder. Barrier creams applied before powder use may help to protect the exposed areas of the skin but they should not be applied once exposure has occurred.

Respiratory Protection

Avoid breathing dust. Mechanical exhaust is recommended. Use a NIOSH approved respirator to remove particles. Respirator selection must be based on known or anticipated exposure levels.

Hygiene Measures

Use good personal hygiene practices. Wash hands before eating, drinking and using the lavatory and at the end of the working period. Wash contaminated clothing before reuse. Contaminated clothing should be washed independently of all other types of clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance - Dark blue plastic
Boiling Point - Not applicable
Melting Point - Not available
Flash Point - Closed cup > 300°C
Relative Density - 1.2 - 1.9 g/cm³
Solubility in Water - Insoluble
pH - Neutral
VOC - 0 (g/l)
Autoignition Temperature - Not available
Decomposition Temperature - Not available
Viscosity - Not available
Combustible dust data:
KST Value - (110 - 215) ± 10%
ST Class - 1 - 2
Maximum explosion pressure - (8.2 - 10.2) ± 10%
Minimum ignition energy - 3 - 30 mj
Minimum ignition temperature - 420 - 490 °C
Minimum explosion concentration- 70 - 125 g/m³

10. STABILITY AND REACTIVITY

Stability

The product is stable under recommended storage and handling conditions.

Hazardous Decomposition Products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION

Likely routes of exposure- Inhalation, skin contact, eye contact and ingestion
Acute Toxicity - No hazardous ingredient
Carcinogenicity Classification - No hazardous ingredient
Skin corrosion/Irritation- Not applicable
Serious eye damage/eye irritation- Causes serious eye irritation
Skin sensitization - May cause an allergic skin reaction
Respiratory sensitization - Not applicable
Mutagenicity - Not applicable
Teratogenicity - No known significant effects or critical hazards.
Developmental Toxicity - Not applicable

12. ECOLOGICAL INFORMATION

Aquatic Ecotoxicity - Not available
Biodegradability - Not available

13. DISPOSAL CONSIDERATIONS

Waste Disposal

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

DOT - Not a DOT controlled material.
IMDG - Not controlled material.
IATA - Not controlled material.

15. REGULATORY INFORMATION

TSCA

All components of this product are included in the TSCA Chemical Inventory or are not required to be listed on the TSCA Chemical Inventory

DSL

All components of this product are included in the Domestic Substance List (DSL)

SARA 313

This product contains the following chemical(s) subjected to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and to 40 CFR 372: None

NPRI

Not applicable

16. OTHER INFORMATION

HMIS

Health: *
Health: 1
Flammability: 1
Physical Hazard: 0
Personal Protection: F

NFPA

Health: 1

Fire: 1
Reactivity: 0
Specific Hazard: None

Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing and Handling of Combustible Particulate Solids, for safe handling.

Abbreviations:

HMIS: Hazardous Materials Identification System
* - Chronic Hazard, 0 - Minimal Hazard, 1 - Slight Hazard, 2 - Moderate Hazard, 3 - Serious Hazard, 4 - Severe Hazard

NFPA: National Fire Protection Association
Health: 4 – Deadly, 3 -Extreme danger, 2 – Hazardous, 1 - Slightly hazardous, 0 - Normal material
Fire: 4 - Below 73°F - very flammable, 3 - 73 to 100F – flammable, 2 - 101 to 200F –combustible, 1 - Over 200F - slightly combustible, 0 - Will not Burn
Reactivity: 4- May detonate, 3- Shock or heat may detonate, 2- violent chem. Reaction, 1- Unstable if heated, 0- Stable, W- Use no water
Specific Hazard: OXY- Oxidizer, ACID- Acid, ALK- Alkali, COR- Corrosive, W- Use no water

ACGIH: American Conference of Governmental Industrial Hygienists
ACGIH Carcinogenicity: A1 - Confirmed Human Carcinogen
A2 - Suspected Human Carcinogen
A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
A4 - Not Classifiable as a Human Carcinogen
A5 - Not suspected as a Human Carcinogen

IARC: International Agency for Research on Cancer
IARC classification: 1- Carcinogenic to Humans
2A - Probably carcinogenic to humans
2B - Possibly carcinogenic to humans
3 - Not classifiable as to its carcinogenicity to humans
4 - Probably not carcinogenic to humans

EPA : Environmental Protection Agency
NIOSH : National Institute for Occupational Safety and Health
CA - carcinogenic
NTP : National Toxicology Program
K - Known to be human carcinogens
R - Reasonably anticipated to be human carcinogen
OSHA : Occupational Safety and Health Administration
DOT : Department of Transportation
IMDG : International Maritime Dangerous Goods
IATA : International Air Transport association
TSCA : Toxic Substance Control Act
DSL : Domestic Substance List
SARA313 : Superfund Amendments and Reauthorization Act - Toxic Chemical Release Inventory (Section 313)