SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product Name: ABC-C69 COMPOSITE
Intended Use: Used in power distribution industry

COMPANY IDENTIFICATION

Supplier: Hubbell Power Systems
210 North Allen Street
Centralia, Missouri U.S.A.

Phone Number: (573) 682-8465
24 Hour Emergency (INFOTRAC): (800) 535-5053 (*US and Canada*)
(352) 323-3500 (*International*)

SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION

Health	Environmental	Physical
No Classifiable Hazards	No Classifiable Hazards	No Classifiable Hazards

LABELLING

Symbols:	Not applicable
Signal Word:	None

Hazard Statements	*Precautionary Statements*
Not applicable	Not applicable

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

MIXTURES

Name	CAS#	Wt. Percentage	Comments
Zinc metal	-	1-5	Nil
Steel	-	94-98	Nil
Other	-	Less than 1	Nil

Any concentration shown as a range is to protect confidentiality or is due to batch variation. There are no additional ingredients present which, within the current knowledge of distributor and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

SECTION 4 FIRST AID MEASURES

DESCRIPTION OF NECESSARY FIRST AID MEASURES:

Inhalation: Zinc Oxide and Iron Oxide fumes may cause dizziness and breathing difficulties. If so remove to fresh air and call doctor
Skin Contact: Not available
Eye Contact: Not available
Ingestion: Physician's Note: Calcium disodium edetate has been used medically to increase the rate of zinc removal from the body. However, this usually results from chronic fume exposure. Get medical attention and support.

See toxicological information (Section 11)

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media: Product will not burn. However Zinc Oxide fumes may be released if exposed to flames.

Unusual Fire or Explosion Hazards: None

Special Fire-Fighting Procedures: If this product is exposed to fire, fire fighters should use self-contained breathing apparatus and protective clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

General Measures: Use personal protection recommended in Section 8

For Non-Emergency Personnel: No additional information available

For Emergency Responders: No additional information available

Leak and Spill Procedures: Zinc is regulated under CLEAN WATER ACT. If product is exposed to elements care should be taken to ensure stromwater complies with USEPA, STATE and Local Regulations.

Disposal: Must be disposed in accordance with the applicable Federal, State and Local Regulations.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Handling Procedures and Equipment: Not applicable

Storage Requirements: Not applicable

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

INGREDIENT	OSHA PEL	ACGIH TLV	NIOSH REL
Zinc metal	None established	None established	None established
Steel	None established	None established	None established

Other Information: The current OSHA PEL for Zinc Oxide fumes which may be released when the product is welded is 5mg/m^3. The OSHA PEL for Iron Oxide which may be released when the product is welded is 10 mg/m^3.

CONTROL PARAMETERS

Appropriate Engineering Controls: Provide general and local ventilation systems to maintain airborne concentrations below established PEL. Local exhaust ventilation is preferred since it prevents containment dispersion into the work area by eliminating it at its source (Genium ref.103). These precautions are only needed when OSHA classified hot work on the product.

INDIVIDUAL PROTECTION MEASURES

Eye/Face Protection: Not available

Hand Protection: Not available

Skin and Body Protection: Not available

Respiratory Protection: For Zinc Oxide fume concentrations up to 50 mg/m^3 and 250 mg/m^3 use respectively a fume (high-efficiency particulate) respirator or an air-supplied or self-contained respirator with a full face piece. Follow OSHA respirator regulations (29 CFR 1910.134).

Additional Information: No other requirements

SECTION 9 PHYSICAL/CHEMICAL PROPERTIES

Appearance and Odor: Silver metal luster, No odor

Vapor Pressure:	Not applicable
Vapor Density (air=1):	Not applicable
Evaporation Rate:	Not applicable
Boiling Point:	2800^{O}F
Specific Gravity (Water=1):	7.7
Water Solubility (%):	Very low
Melting Point:	419^{O}F Zinc 2800^{O}F Steel
pH:	Not applicable
% Volatile By Volume:	Not applicable
Molecular Weight:	Not applicable
Flash Point:	None reported
Lower Explosive Limit:	None
Upper Explosive Limit:	None
Flash Point:	None reported
Auto ignition Temperature:	Not available

SECTION 10 STABILITY AND REACTIVITY

Hazardous Decomposition Products: Thermal oxidative decomposition of Zinc can produce highly toxic fumes. Above 999^{O}F (537^{O}C) vaporized Zinc burns in air with a blue green flame to produce Zinc oxide fumes.

Hazardous Polymerization: None known to occur

SECTION 11 TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS:

Effects of Acute Exposure: Metal fume fever. Symptoms appear several hours after exposure. Removal from exposure normally alleviates symptoms with no residual or chronic effects. A degree of tolerance may result from continued exposure, but is quickly lost after a day or two of non-exposure.

Effects of Chronic Exposure: Zinc has little history of causing chronic health effects.

Note: Zinc is relatively nontoxic, but when combined with other materials such as oxygen or mineral acids, the resulting compounds can have toxic effects. It is not readily absorbed through the skin, gastrointestinal (GI tract) or lungs. Although most inorganic zinc compounds are potential causes of gastro enteric irritation, a high level dose is relatively nontoxic when ingested.

Carcinogenicity:	Neither the NTP, IARC nor OSHA lists Zinc as a carcinogen.
Teratogenicity of Product:	Not available
Mutagenicity of Product:	Not available
Reproductive Toxicity:	Not available

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS

Skin Contact: Prolonged contact with zinc may cause a mild drying dermatitis.

Eye Contact: Not available

Inhalation: Inhalation of zinc fumes normally generated by zinc and extreme heat may cause metal fume fever, which is accompanied by throat dryness and irritation, coughing, weakness, dyspnea and generalized aching that generally passes within 24hr.These symptoms usually begins 3 to 10 hr after exposure and resolve within 24 to 48 hr. Inhalation of zinc dust may cause mild irritation to upper respiratory tract.

Ingestion: Ingestion of soluble salts may cause nausea and vomiting, sluggishness and light headedness.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity:	Not available
Other Information:	Not available

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal Methods: Dispose in a safe manner in accordance with local/national regulations

SECTION 14 TRANSPORTATION

Regulatory Information	UN Number	Proper Shipping Name	Transport Hazard Class	Hazard labels	Packing Group
DOT	Not regulated by DOT				
TDG	Not regulated by TDG				

SECTION 15 REGULATORY INFORMATION

OSHA Designations:
Air Contaminant (29 CFR 1910.1000 Subpart z): Not listed
EPA Designations:
RCRA Hazardous Waste (40 CFR 261.33): Not listed
CERCLA Hazardous Substance (40 CFR 302.4): Listed
Reportable Quantity (Per Clean Water Act, Sec 307(a)): 1000lb (454 Kg)
SARA Extremely Hazardous Substance (40 CFR 355): Not listed
Zinc (fume or dust) is listed as SARA Toxic Chemical (40 CFR 372.65)

SECTION 16 OTHER INFORMATION

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS):
Health – 0 **Flammability –** 1 **Reactivity –** 1

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA):
Health - 1 **Fire -** 0 **Reactivity –** 1

Caution: HMIS® and NFPA ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks.

Key to Abbreviations:

ATE:	Acute Toxicity Estimate
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
IATA:	International Air Transport Association
IBC:	Intermediate Bulk Container
IMDG:	International Maritime Dangerous Code
UN:	United Nations
TDG:	Transportation of Dangerous Goods
DOT:	Department of Transportation