



# SAFETY DATA SHEET

## SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

### PRODUCT

**Product Name:** HTJC  
**Product Number:** VS8HTJC, HTJC16, HTJC1G, HTJC5G, HTJC55G  
**Intended Use:** Corrosion inhibitor

### 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
<ul style="list-style-type: none"> <li>• Skin Sensitization - Category 1A</li> <li>• Carcinogenicity – Category 2</li> <li>• SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1</li> </ul>	No Classifiable Hazards	No Classifiable Hazards

### LABELLING

<b>Symbols:</b> 
<b>Signal Word:</b> Danger

Hazard Statements	Precautionary Statements
<ul style="list-style-type: none"> <li>• H317: May cause an allergic skin reaction</li> <li>• H351: Suspected of causing cancer</li> <li>• H372: Causes damage to organs through prolonged or repeated exposure</li> </ul>	<ul style="list-style-type: none"> <li>• P201: Obtain special instructions before use</li> <li>• P202: Do not handle until all safety precautions have been read and understood</li> <li>• P260: Do not breathe dust/fumes/gas/mist/vapors/spray</li> <li>• P264: Wash hands thoroughly after handling</li> <li>• P270: Do not eat, drink or smoke when using this product</li> <li>• P272: Contaminated work clothing should not be allowed out of the workplace</li> <li>• P280: Wear protective gloves/protective clothing/eye protection/face protection</li> <li>• P302+352: IF ON SKIN: Wash with plenty of water</li> <li>• P363: Wash contaminated clothing before reuse</li> <li>• P332+313: If skin irritation occurs: Get medical advice/attention</li> <li>• P308+P313: If exposed or concerned: Get medical advice/attention</li> <li>• P405: Store locked up</li> </ul>



	<ul style="list-style-type: none"> <li>P501: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation</li> </ul>
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**Other Hazards:** No additional information available  
**Unknown Acute Toxicity:** Not applicable

**SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**

**MIXTURES**

Name	CAS#	Wt. Percentage*
Aluminum	7429-90-5	10.00
Nickel	7440-02-0	10.00
Zinc oxide (ZnO)	1314-13-2	1.00
1,3,4-Thiadiazole, 2,5-bis(octylidithio)	13539-13-4	0.40

\* 78.60 % material composition inclusive of inert and non-hazardous filler withheld as trade secret in accordance with paragraph 1910.1200(i)(1). 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:** Not a normal route of exposure. If symptoms develop, remove to fresh air. Get medical attention if condition worsens  
**Skin Contact:** IF ON SKIN: Wash with plenty of Water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention  
**Eye Contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. This compound contains abrasive particles. If eye irritation persists: Get medical advice/attention.  
**Ingestion:** Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell

**MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

**Symptoms/Effects After Inhalation:** Not a normal route of exposure  
**Symptoms/Effects After Skin Contact:** May cause skin irritation. Symptoms may include redness, drying, and cracking of the skin. May cause an allergic skin reaction  
**Symptoms/Effects After Eye Contact:** May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling  
**Symptoms/Effects After Ingestion:** May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea

**Indication of Any Immediate Medical Attention And Special Treatment Needed**

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

See toxicological information (Section 11)

**SECTION 5 FIRE FIGHTING MEASURES**

**Extinguishing Media**

**Suitable Extinguishing Media:** Dry chemical. Foam. Carbon dioxide.  
**Unsuitable Extinguishing Media:** Do not use water jet

**Products of Combustion:**

May include and are not limited to oxides of carbon

**Reactivity:**

No dangerous reactions known under normal conditions of use

**Protection of Firefighters:**

Keep upwind of fire. Wear full fire-fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA)



**SECTION 6 ACCIDENTAL RELEASE MEASURES**

**General Measures:** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel

**For Non-Emergency Personnel:** No additional information available

**For Emergency Responders:** No additional information available

**Environmental Precautions:** Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters

**Methods for Containment:** Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment

**Methods for Clean-Up:** Sweep or shovel spills into appropriate container for disposal. Spilled material may present a slipping hazard

**Other Information:** For further information refer to section 8: "Exposure controls/personal protection"

**SECTION 7 HANDLING AND STORAGE**

**PRECAUTIONS FOR SAFE HANDLING**

**Handling:** Avoid contact with skin and eyes. Do not swallow. Do not breathe dust/fume/gas/mist/vapors/spray. Handle and open container with care. When using do not eat, drink or smoke

**Hygiene Measures:** Wash contaminated clothing before reuse. Always wash hands after handling the product

**Storage:** Keep out of the reach of children. Keep container tightly closed. Store locked up

**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

**CONTROL PARAMETERS**

INGREDIENT	ACGIH	OSHA PEL	NIOSH REL	US IDLH
Aluminum (7429-90-5)	TWA - 1 mg/m <sup>3</sup> (respirable particulate matter)	TWA - 15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)	TWA - 10 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable dust)	-
Nickel (7440-02-0)	TWA - 1.5 mg/m <sup>3</sup> (inhalable particulate matter)	TWA - 1 mg/m <sup>3</sup>	TWA - 0.015 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Zinc oxide (ZnO) (1314-13-2)	TWA - 2 mg/m <sup>3</sup> (respirable particulate matter) STEL - 10 mg/m <sup>3</sup> (respirable particulate matter)	TWA - 5 mg/m <sup>3</sup> (fume) 15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)	TWA - 5 mg/m <sup>3</sup> (dust and fume) STEL - 10 mg/m <sup>3</sup> (fume) Ceiling - 15 mg/m <sup>3</sup> (dust)	500 mg/m <sup>3</sup>
1,3,4-Thiadiazole, 2,5-bis(octyldithio) (13539-13-4)	Not applicable	Not applicable	Not applicable	Not applicable

**Appropriate Engineering Controls:** Ensure good ventilation of the work station

**INDIVIDUAL PROTECTION MEASURES**

**Eye/Face Protection:** Safety glasses or goggles are recommended when using product

**Hand Protection:** Wear suitable gloves resistant to chemical penetration

**Skin and Body Protection:** Wear suitable protective clothing

**Respiratory Protection:** None necessary under normal conditions of use. In case of insufficient ventilation, wear suitable respiratory equipment

**Environmental Exposure Controls:** Avoid release to the environment

**Other Information:** Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product



**SECTION 9 PHYSICAL/CHEMICAL PROPERTIES**

<b>Appearance:</b>	Paste / thick grease
<b>Physical State:</b>	Solid
<b>Color:</b>	No data available
<b>Odor:</b>	No data available
<b>Odor Threshold:</b>	No data available
<b>pH:</b>	No data available
<b>Melting Point:</b>	No data available
<b>Freezing Point:</b>	No data available
<b>Boiling Point:</b>	No data available
<b>Flash Point:</b>	No data available
<b>Relative Evaporation Rate (Butylacetate=1):</b>	No data available
<b>Flammability (Solid, Gas):</b>	Not flammable
<b>Vapor Pressure:</b>	No data available
<b>Relative Vapor Density at 20 °C:</b>	No data available
<b>Relative Density:</b>	No data available
<b>Solubility:</b>	No data available
<b>Partition Coefficient n-Octanol/Water:</b>	No data available
<b>Auto-Ignition Temperature:</b>	No data available
<b>Decomposition Temperature:</b>	No data available
<b>Viscosity, Kinematic:</b>	No data available
<b>Viscosity, Dynamic:</b>	No data available
<b>Explosive Limits:</b>	No data available
<b>Explosive Properties:</b>	No data available
<b>Oxidizing Properties:</b>	No data available
<b>Other Information:</b>	No additional information available

**SECTION 10 STABILITY AND REACTIVITY**

<b>Chemical Stability:</b>	Stable under normal conditions
<b>Reactivity:</b>	No dangerous reactions known under normal conditions of use
<b>Possibility of Hazardous Reactions:</b>	No dangerous reactions known under normal conditions of use
<b>Conditions to Avoid:</b>	Heat. Incompatible materials
<b>Incompatible Materials:</b>	Oxidizing materials
<b>Hazardous Decomposition Products:</b>	May include and are not limited to oxides of carbon

**SECTION 11 TOXICOLOGICAL INFORMATION**

**INFORMATION ON TOXICOLOGICAL EFFECTS:**

<b>Acute Toxicity (Oral):</b>	Not classified
<b>Acute Toxicity (Dermal):</b>	Not classified
<b>Acute Toxicity (Inhalation):</b>	Not classified

INGREDIENTS	LD <sub>50</sub> Oral	Chemical Listed as Carcinogen or Potential Carcinogen
Nickel (7440-02-0)	> 9000 mg/kg, Rat	<ul style="list-style-type: none"> <li>• IARC group: 2B - Possibly carcinogenic to humans</li> <li>• National Toxicology Program (NTP) Status: 3 - Reasonably anticipated to be Human Carcinogen</li> <li>• In OSHA Hazard Communication Carcinogen list: Yes</li> </ul>
Zinc oxide (ZnO) (1314-13-2)	> 5000 mg/kg, Rat	-

<b>Skin Corrosion/Irritation:</b>	Not classified
<b>Serious Eye Damage/Irritation:</b>	Not classified



**Respiratory or Skin Sensitisation:** May cause an allergic skin reaction  
**Germ Cell Mutagenicity:** Not classified  
**Carcinogenicity:** Suspected of causing cancer  
**Reproductive Toxicity:** Not classified  
**STOT-Single Exposure:** Not classified  
**STOT-Repeated Exposure:** Causes damage to organs through prolonged or repeated exposure  
**Aspiration Hazard:** Not classified

**SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS**

**Inhalation:** Not a normal route of exposure  
**Skin Contact:** May cause skin irritation. Symptoms may include redness, drying, and cracking of the skin. May cause an allergic skin reaction  
**Eye Contact:** May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling  
**Ingestion:** May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea

**SECTION 12 ECOLOGICAL INFORMATION**

**Ecotoxicity:** Very toxic to aquatic life with long lasting effects

INGREDIENT	LC <sub>50</sub> Fish 1	EC <sub>50</sub> Daphnia 1	LC <sub>50</sub> Fish 2	EC <sub>50</sub> Daphnia 2
Nickel (7440-02-0)	> 100 mg/l (Exposure time: 96 h - Species: Brachydanio rerio)	> 100 mg/l (Exposure time: 48 h - Species: Daphnia magna)	1.3 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [semi-static])	1 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

**Persistence and Degradability:** Not established  
**Bioaccumulative Potential:** Not established  
**Mobility in Soil:** No additional information available  
**Effect On The Global Warming:** No known effects from this product  
**Other Information:** No other effects known

**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**

**Federal Regulations:**  
 All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory  
 All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories  
**International Regulations:** No additional information available  
**US State Regulations:** California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer, developmental and/or reproductive harm



**SECTION 16**

**OTHER INFORMATION**

**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  
TSCA = United States Toxic Substances Control Act Section 8(b) Inventory  
DSL/NDSL= Canadian Domestic Substances List/Non-Domestic Substances List