



SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product Name: F-13
Product Number: GF138, GF131, GF133
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
Skin Sensitization - Category 1A	No Classifiable Hazards	No Classifiable Hazards

LABELLING

Symbols:



Signal Word: Warning

Hazard Statements	Precautionary Statements
H317: May cause an allergic skin reaction	• P261: Avoid breathing dust/fumes/gas/mist/vapors/spray • P272: Contaminated work clothing should not be allowed out of the workplace • P280: Wear protective gloves/protective clothing/eye protection/face protection • P302+352: IF ON SKIN: Wash with plenty of water • P363: Wash contaminated clothing before reuse • P333+313: If skin irritation or a rash occurs: Get medical advice/attention • P501: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

Other Hazards: No additional information available
Unknown Acute Toxicity: Not applicable



SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

MIXTURES

Name	CAS#	Wt. Percentage*
1,3,4-Thiadiazole, 2,5-bis(octyldithio)-	13539-13-4	0.12

* 99.88 % 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. 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. Water spray

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

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



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. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not swallow. 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

SECTION 8

EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS

1,3,4-Thiadiazole, 2,5-bis(octyldithio)- (13539-13-4)	Not applicable
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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

Appearance:	Paste / thick grease
Physical State:	Solid
Color:	Green
Odor:	No data available
Odor Threshold:	No data available
pH:	No data available
Melting Point:	No data available
Freezing Point:	No data available
Boiling Point:	No data available
Flash Point:	> 200°C (> 392°F)
Relative Evaporation Rate (Butylacetate=1):	No data available
Flammability (Solid, Gas):	Not flammable
Vapor Pressure:	No data available
Relative Vapor Density at 20 °C:	No data available
Relative Density:	No data available
Solubility:	No data available
Partition Coefficient n-Octanol/Water:	No data available
Auto-Ignition Temperature:	No data available
Decomposition Temperature:	No data available
Viscosity, Kinematic:	No data available
Viscosity, Dynamic:	No data available
Explosive Limits:	No data available
Explosive Properties:	No data available
Oxidizing Properties:	No data available
Other Information:	No additional information available



SECTION 10 STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions
Reactivity:	No dangerous reactions known under normal conditions of use
Possibility of Hazardous Reactions:	No dangerous reactions known under normal conditions of use
Conditions to Avoid:	Heat
Incompatible Materials:	None known
Hazardous Decomposition Products:	May include, and are not limited to oxides of carbon

SECTION 11 TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS:

Acute Toxicity (Oral):	Not classified
Acute Toxicity (Dermal):	Not classified
Acute Toxicity (Inhalation):	Not classified
Skin Corrosion/Irritation:	Not classified
Serious Eye Damage/Irritation:	Not classified
Respiratory or Skin Sensitisation:	May cause an allergic skin reaction
Germ Cell Mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive Toxicity:	Not classified
STOT-Single Exposure:	Not classified
STOT-Repeated Exposure:	Not classified
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:	May cause long-term adverse effects in the aquatic environment
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
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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 does not contain any substances 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