



SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product Name: VSG
Product Number: VSG8B, VSG4B
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"> • Skin Sensitization - Category 1 • Carcinogenicity – Category 2 • SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1 	No Classifiable Hazards	No Classifiable Hazards

LABELLING

Symbols: 
Signal Word: Danger

Hazard Statements	Precautionary Statements
<ul style="list-style-type: none"> • H317: May cause an allergic skin reaction • H351: Suspected of causing cancer • H372: Causes damage to organs through prolonged or repeated exposure 	<ul style="list-style-type: none"> • P201: Obtain special instructions before use • P202: Do not handle until all safety precautions have been read and understood • P260: Do not breathe dust/fumes/gas/mist/vapors/spray • P264: Wash hands thoroughly after handling • P270: Do not eat, drink or smoke when using this product • 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 • P332+313: If skin irritation occurs: Get medical advice/attention • P308+P313: If exposed or concerned: Get medical advice/attention



	<ul style="list-style-type: none"> • P405: Store locked up • P501: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation
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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	15.00
Nickel	7440-02-0	15.00

* 70 % 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

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 ³ (respirable particulate matter)	TWA - 15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)	TWA - 10 mg/m ³ (total dust) 5 mg/m ³ (respirable dust)	-
Nickel (7440-02-0)	TWA - 1.5 mg/m ³ (inhalable particulate matter)	TWA - 1 mg/m ³	TWA - 0.015 mg/m ³	10 mg/m ³

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: No data available

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:	No data available
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
Incompatible Materials:	Oxidizing materials
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

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

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:	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



Ingestion: blinking and tear production, with possible redness and swelling
 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

INGREDIENT	LC ₅₀ Fish 1	EC ₅₀ Daphnia 1	LC ₅₀ Fish 2	EC ₅₀ 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:
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 UN = United Nations
 DOT - Department of Transportation
 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

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