

# Material Safety Data Sheet

May be used to comply with  
OSHA'S Hazard Communication Standard,  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements.

## U.S. Department of Labor

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072



Identity (As Used on Label and List)

**Anaconda S/S T302 UI 1/2"**

**AEI PIN 451576-0070**

**Weights per ft**

Note: Blank Spaces are not permitted. If any item is not applicable, or no  
information is available, the space must be marked to indicate that.

### Section I

Manufacturer's Name

ANAMET Electrical, Inc.

Address (Number, Street, City, State, and ZIP Code)

P.O. Box 39

1000 Broadway Avenue East

Mattoon, Illinois 61938

Emergency Telephone Number

CHEMTREC 800-424-9300

Telephone Number for Information

217-234-8844

Date Prepared

May 2, 2012

Signature of Preparer (optional)

### Section II --- Hazardous Ingredients/Identity Information

Hazardous Components

(Specific Chemical Identity;  
Common Name(s))

CAS Number

OSHA PEL  
(mg/m<sup>3</sup>)

ACGIH TLV  
(mg/m<sup>3</sup>)

Other Info  
Weight grams/ft.

%  
Weight

(Specific Chemical Identity; Common Name(s))	CAS Number	OSHA PEL (mg/m <sup>3</sup> )	ACGIH TLV (mg/m <sup>3</sup> )	Other Info Weight grams/ft.	% Weight
Base Metal Iron (Fe)	7439-89-6	10 (Fe <sup>2</sup> O <sup>3</sup> Fume)	5 (Fe <sup>2</sup> O <sup>3</sup> Fume)	Balance	Balance
Carbon (C)	7440-44-0	None Listed	None Listed	0.054650	0.15 – Max
Chromium (Cr)	7440-47-3	1.0 as metal	0.5 as metal	13.115935	17.00 – 19.00
Manganese (Mn)	7439-96-5	5 as manganese	(C) 5 as dust; 1 as fume	0.728663	2.00 – Max
Nickel (Ni)	7440-02-0	1.0 as Nickel	1.5 as Nickel	6.557967	8.00 – 10.00
Phosphorous (P)	7723-14-0	0.1 as Phosphorous	0.1 as Phosphorous	0.016395	0.045 – Max
Silicon (Si)	7440-21-3	15 total dust	10 total dust	0.364332	1.00 – Max
Sulfur (S)	7704-34-9	13 sulfur dioxide	5 sulfur dioxide	0.010930	0.030 – Max

Notes: (C) denotes "ceiling limit" which is not to be exceeded at any time

### Section III ---- Physical/Chemical Characteristics

Boiling Point		Specific Gravity (H <sub>2</sub> O = 1)	
N/A	N/A °F		8.030
Vapor Pressure (mm Hg.)	N/A	Melting Point	
		2550 - 2590	°F
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A

Solubility in water

Non Soluble

Appearance and Odor

Shiny metal Odorless

(Reproduced Locally)

OSHA 174, Sept. 1985

**Section IV ---- Fire and Explosion Hazard Data**

Flash Point (Method Used)		Flammable Limits		LEL	UEL
N/A °F		Lower N/A % Upper N/A %		NONE	NONE
Extinguishing Media					
Steel products in their usual form do not pose a fire threat					
Special Fire Fighting Procedures					
None under normal use and applications					
Unusual Fire and Explosion Hazards					
None under normal use and applications					

**Section V ---- Reactivity Data**

Stability	Unstable		Conditions to Avoid:
	Stable	X	Avoid prolonged or excessive heating

Incompatibility (Materials to Avoid)

None under normal use and applications

Hazardous Decomposition or Byproducts

None under normal use and applications

Hazardous Polymerization	May Occur		Conditions to avoid:
	Will Not Occur	X	None during normal use

**Section VI ---- Health Hazard Data**

Route(s) of Entry:	Inhalation?	(as fumes)	Skin?		Ingestion?	
	YES		NO		YES	

Health Hazards (Acute and Chronic)

Proposition 65 This product contains substances known to the state of California to cause cancer and / or reproductive toxicity.

Contains hazardous chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community right to know Act of 1986.

Materials contained in products in the natural state do not present an inhalation, ingestion, or contact health hazard. However, operations such as welding, burning, sawing, brazing, and grinding, which results in elevating the temperature to or above its melting point or results in the generation of airborne particulates may present hazards. The above operations should be performed in well ventilated areas. The major exposure hazard is inhalation.

ACUTE: Excessive inhalation of metallic fumes and dusts may result in irritation of eyes, nose, and throat. Also high concentrations of fumes and dusts of iron-oxide, manganese, copper, zinc, & lead may result in metal fume fever. Typical symptoms consist of a metallic taste in the mouth, dryness and irritation of the throat, chills and fever, and usually last from 12 to 48 hours.

CRONIC: Chronic and prolonged inhalation of high concentrations of fumes or dust of the following elements may lead to the conditions listed opposite the element:

Iron (iron-oxide) – Pulmonary effects, siderosis.

Manganese – Bronchitis, Pneumonitis, lack of coordination.

Vanadium – No reported cases of exposure to vanadium.

Molybdenum – Pain in joints, hands, knees and feet.

Lead – Prolonged exposures can cause behavioral changes, kidney damage, periphery neuropathy characterized by decreased hand-grip strength and adverse reproductive effects.

Zinc – None reported.

Carcinogenicity:	NTP?		IARC Monographs?		OSHA Regulated?	
SEE SECTION VI ABOVE	N/A		N/A		NO	

Signs and Symptoms of Exposure

Do NOT use abrasive wheel for cutting. Fumes produced during abrasive cutting may cause irritation to the eyes, respiratory tract or skin of employees who may be sensitive to these fumes.

Medical Conditions

Generally Aggravated by Exposure, None during normal use.

Emergency and First Aid Procedures

Inhalation: Remove to fresh air; if condition continues consult, physician.

Eye Contact: Immediately flush well with running water to remove particulate: get medical attention.

Skin Contact: If irritation develops, remove clothing and wash well with soap and water. If condition persists, Seek medical attention.

Ingestion: If significant amounts of metal or cover dust are ingested, seek medical attention.

---

## Section VII ---- Precautions for Safe Handling and Use

---

Steps to be taken in case Material is Released or Spilled    Special Precautions: Use good housekeeping practices to prevent accumulation of dust and to keep airborne dust to a minimum.

---

Waste Disposal Method    Do not incinerate. Dust, etc. – follow federal, state, and local regulations regarding disposal.

---

Precautions to Be Taken in Handling and Storing;    Not to be stored near open flame. Not to be stored in areas where the temperature exceeds 450°F.

---

Other Precautions;    None during normal use

---

## Section VIII ---- Control Measures

---

Respiratory Protection (*Specify Type*)

Approved dust/mist/fume respirator should be used during welding or burning if OSHA PEL or TLV is exceeded.

---

Ventilation	Local Exhaust	SPECIAL
	As needed to remove fumes	None
	Mechanical ( <i>General</i> )	Other
	As needed to remove fumes and/or dust	None

---

Protective Gloves;	Eye Protection;
When welding or burning.	Safety glasses should always be worn when grinding or cutting;

---

Other Protective Clothing or Equipment; As required

---

Work/Hygienic Practices;    Normal safety and hygiene practices.

---

## Section IX ---- Additional Information

---

This product has been determined to be RoHS and REACH compliant from current information available.

---

Disclaimer:

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any representation or warranty, expressed or implied regarding the accuracy or correctness.

The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. Disposal; this product may be recycled as separate components.

---