Tubing



	SAFETY DATA SHEET				
	SECTION 1 •	DENTIFICA	TION		
Webco Industries, Inc. 9101 W 21 st Street Sand Springs, OK. 74063		FOR EMERGENCY SOURCE INFORMATION CONTACT: ◆ Phone: (918) 241-1000			
GHS PRODUCT IDENTIFIERS: Stainless Steel Tubing	CHEMICAL FAMIL	Y: Metals	PRODUCT USES: Used as a base product in many stainless steel tubing applications		
SECT	ION 2 * HAZA	RDS IDENTI	FICATION		
However, individual customer process	ses (particularly invo ning may result in the	olving high tem	rdous per OSHA GHS 29 CFR 1910.1200. perature), such as welding, sawing, brazing, times, dust (combustible or otherwise), and/or		
		SIFICATIONS			
Carcinogenicity - Category 1B	Reproductive Toxic		STOT Repeated Exposure - 1		
Eye Irritation – 2B	Acute Toxicity – C		Skin Sensitization – 1		
		LELEMENTS	10		
CHS Did	STAINLESS S CTOGRAMS	STEEL TUBIL	SIGNAL WORD		
		!>	DANGER		
		TATEMENTS			
Dust/fumes Suspected of causing cancer via inhalation.	Dust/fumes su damaging fertility child	or the unborn	Dust/fumes Causes damage to lungs and central nervous system through prolonged or repeated inhalation exposure.		
Dust/particulates may cause ey		Inhalation of dust/fumes may cause respiratory irritation.			
Harmful if swallowed		Dust/fumes may cause an allergic skin reaction.			
	PRECAUTIONA	RY STATEMENTS	S		
	Prev	ention			
Do not eat, drink or smoke when using this product.		ace protection.	Avoid breathing dusts/fume.		
Do not handle until all safety precauti and understood.		•	tective gloves / protective clothing / eye		
If on skin: Wash with plenty of water. occurs: Get medical attention. Tal contaminated clothing befo	If irritation or rash ke off and wash	If swallowed:	If swallowed: Call a poison center or physician if you feel unwell. Rinse mouth.		
If in eyes: Rinse cautiously with w minutes.		Remove contact lenses, if present and easy to do. Continue Rinsing. If eye irritation persists: Get medical attention.			
If inhaled: Remove person to fres comfortable for breath	ing.	•	d, concerned or feel unwell: Get medical advice/attention.		
<u></u>	<u> </u>	/Disposal			
Dispose of contents/container in accord			ternational regulations.		
Webco Industries, Inc.	SUPPLIER II P.O. Bo	NFORMATION Ox 100	Sand Springs, OK. 74063		

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SECTION 3 ▼ COMPOSITION/INFORMATION OF INGREDIENTS								
Ingredient	INGREDIENT CAS NUMBER PERCENTAGE (%)							
Iron	1309-37-1	Balance						
Nickel	7440-02-0	0-6.5 (Can be as high as 80% in nickel-based alloys)						
Cobalt** (Nickel Alloys)	7440-48-4	0-21 (Nickel Alloys)						
Chromium	7440-47-3	10-30						
Molybdenum	7439-98-7	0-7.0						
Copper	7440-50-8	0-4.0						
Aluminum	7429-90-5	0-4.0						
Manganese	7439-96-5	0-10						
Tungsten	7440-33-7	0-2.5						
Titanium	7440-32-6	0-2.4						
Vanadium	7440-62-2	0-1.1						
Columbium	7440-03-1	0-1.0						
Tantalum	7440-25-7	0-1.0						
Silicon	7440-21-3	0.00-0.50						

- ◆ All concentrations are in percent by weight. Percentages are expressed as typical ranges or maximum concentrations of trace elements for the purpose of communicating the potential hazards of the finished product.
- ◆ Commercial steel products contain small amounts of various elements in addition to those specified. These small quantities frequently referred to as "trace" or "residual" elements, generally originate in the raw materials used and/or are alloying metals. Individual trace elements vary in concentration by weight, and may additionally include: boron, calcium, columbium (niobium), molybdenum, sulfur, titanium, and vanadium.
- ◆ Product surfaces are treated with chemicals which are inherent to the manufacturing process. For the Webco-04 product the following products are used in the production process: Syntilo™ 9918. Refer to the manufacturer's SDS for hazards associated with these products.
- ♦ Steel products as provided contain chromium metal in the zero-valence state. As such, chromium metal does not present any unusual health hazard. Hence, the most applicable exposure limits relative to chromium in these products are those established for the metal, itself. However, welding, torch cutting, brazing or perhaps grinding of the chromium metal in steel products may generate airborne concentrations of hexavalent chromium, (CrVI), a confirmed human carcinogen. Therefore, should the user perform any of these tasks, the hexavalent chromium exposure limits would apply.

SECTION 4 + FIRST AID MEASURES

EYES: For contact with dusts, fumes or particulate, flush eyes with water for 15 minutes. Eye injuries from solid particles should be treated by a physician immediately.

SKIN: Not anticipated to pose a significant skin hazard. For skin contact with dusts or powders, wash immediately with soap and water. Cuts or abrasions should be treated promptly with thorough cleansing of the affected area.

INGESTION: This product is not considered to be an ingestion hazard, however if excessive amounts of dust or particulates are swallowed, treat symptomatically and supportively. IF SWALLOWED: Call a poison center or Doctor/physician if you feel unwell. Rinse mouth.

INHALATION: Remove from excessive exposure levels. If large amounts of dusts, fumes, or particulate are generated, move person to fresh air. If symptoms develop, seek medical attention.

NOTE TO PHYSICIAN: Inhalation of metal fume or metal oxides may produce an acute febrile state, with cough, chills, weakness, and general malaise, nausea, vomiting, muscle cramps, and remarkable leukocytosis. Treatment is symptomatic, and condition is self-limited in 24-48 hours. Chronic exposure to dusts may result in pneumoconiosis of mixed type.

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SECTION 5 # FIRE-FIGHTING MEASURES

SEE SECTION 9 FOR FLAMMABILITY PROPERTIES

NONFLAMMABLE Steel products do not present fire or explosion hazards under normal conditions.

SUITABLE EXTINGUISHING MEDIA: For mineral oil coating: carbon dioxide, foam, dry chemical

For molten metal: use dry powder or sand. For steel dust use dry sand, water, foam, argon or nitrogen

HAZARDOUS REACTIONS/DECOMPOSITION: Steel products do not present fire or explosion hazards under normal conditions. Any non-oxidized fine metal particles/dust generated by grinding, sawing, abrasive blasting, or individual customer processes may produce materials that the customer should test for combustibility and other hazards in accordance with applicable regulations. High concentrations of combustible metallic fines in the air may present an explosion hazard. Temperatures above the melting point may liberate fumes of chromium (hexavalent chromium), iron and nickel, etc.

SPECIAL PROTECTIVE ACTIONS FOR FIREFIGHTERS: Steel products in the solid state present no fire or explosion hazards. Do not use water on molten metal. Do not use carbon dioxide.

SECTION 6 * ACCIDENTAL RELEASE MEASURES Emergency response is unlikely unless in the form of combustible dust. Avoid inhalation, eye, or skin contact of dusts by using appropriate precautions outlined in this SDS (see Section 8). Fine PERSONAL turnings and small chips should be swept or vacuumed and placed into appropriate disposable **PRECAUTIONS** containers. Keep fine dust or powder away from sources of ignition. Scrap should be reclaimed for recycling. Prevent materials from entering drains, swearers, or waterways. Some grades of steel may contain reportable quantities of alloying elements. See Section 15 for ENVIRONMENTAL additional information **PRECAUTIONS** METHODS FOR Emergency response is unlikely unless in the form of combustible dust. CLEANING UP OTHER Some customer processes may generate combustible dust that may require specific precautions **INFORMATION** when cleaning spills or releases of dust. SECTION 7 % HANDLING AND STORAGE Prior to working with this product workers should be trained on its proper handling, use and storage

S	SAFETY HANDLING	▼ None given
	STORAGE PROCEDURES	♦ Webco Industries, Inc. Disclaims any responsibility for harm to persons or property resulting from conditions arising from storage or handling of this material or article by individuals beyond the control of Webco Industries, Inc., or resulting from use of the material or article in a manner inconsistent with its normal commercial use.

INCOMPATIBILITIES None given

PRECAUTIONS FOR

SECTION 8 # EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS OSHA PEL Chemical Name ACGIH TLV (2022) NIOSH IDLH TWA: 5 mg/M³ Iron (Oxide fume) TWA: 10 mg/M^3 $2,500 \text{ mg/M}^3$ TWA: 1.5 mg/M³ TWA: 1 mg/M³ 10 mg/M^3 Nickel TWA: 0.02 mg/M³ Cobalt 0.1 mg/M^3 20 mg/M^3 Chromium TWA: 0.5 mg/M³ TWA: 1 mg/M^3 250 mg/M^3 Molybdenum TWA: 10 mg/M³ TWA: 15 mg/M³ $5,000 \text{ mg/M}^3$ Copper (fume) TWA: 0.2 mg/M³ TWA: 0.1 mg/M^3 100 mg/M^3 Aluminum TWA: 1 mg/M^3 TWA: 5 mg/M³ -----TWA: 5 mg/M³ TWA: 0.1 mg/M³ 500 mg/M^3 Manganese (Ceiling limit) TWA: 5 mg/M³ TWA: 3 mg/M^3 Tungsten Titanium (dioxide) TWA: 2.5 mg/M³ TWA: $15 \overline{\text{mg/M}^3}$ 5.000 mg/M^3



SDS # Webco-04

Chemical Name	ACGIH TLV (2022)	OSHA PEL	NIOSH IDLH
Vanadium (Pentoxide fume)	TWA: 0.05 mg/M ³	TWA: 0.1 mg/M ³ (Ceiling limit)	35 mg/M ³
Columbium			
Tantalum		TWA: 5 mg/M ³	$2,500 \text{ mg/M}^3$
Silicon	TWA: 3 mg/M ³ (respirable fraction)	TWA: 5 mg/M ³ (respirable fraction)	None Determined

ENGINEERING CONTROLS: Use adequate ventilation to keep dust/fume concentrations of this product below occupational exposure limits particularly in confined areas.

PERSONAL PROTECTIVE EQUIPMENT

- **◆** EYES: Safety glasses or goggles as needed for welding, burning, grinding or machine operations (ANSI Z87.1 approved).
- ♦ SKIN/BODY: Chemical protective clothing is recommended based on a thorough PPE hazard assessment. Note: The resistance of specific material may vary from product to product as well as with degree of exposure. Consult manufacturer specifications for specific information.
- ♦ HAND/CLOTHING PROTECTION: Protective Gloves: Should be worn as required for welding, burning or handling operations. Clothing: Flame/heat protective garments required for safe burning, welding, or grinding.
- **♦ RESPIRATORY PROTECTION:** A NIOSH approved air purifying respirator (APR) with properly selected cartridges may be permissible under certain circumstances where airborne concentrations may exceed exposure limits. Protection provided by APRs is limited, calculate the maximum use concentration for the exposure situation. Use a positive pressure atmosphere supplied (Grade D air) respirator if there is any potential for exposure levels are not known or any other circumstances where APRs may not provide adequate protection.

SECTION 9 ★ PHYSICAL AND CHEMICAL PROPERTIES BOILING POINT (760 MM HG): Not applicable PERCENT VOLATILE BY VOLUME: Not applicable SPECIFIC GRAVITY (H₂O = 1): Not applicable VISCOSITY UNITS, TEMP: Not applicable EVAPORATION RATE (BuAc = 1): Not applicable VAPOR DENSITY (AIR =1): Not applicable VAPOR PRESSURE AT 25 °C: Not applicable MELTING POINT: 2500 – 2800 °F / 1430-1540 °C APPEARANCE AND ODOR: Gray to silver / no odor. AUTOIGNITION TEMPERATURE: Not applicable FLASH POINT: (Method Used) Not applicable FLAMMABLE LIMITS: Not applicable

SECTION 10 # STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal temperatures and pressures

HAZARDOUS REACTION POTENTIAL: Will not occur

CONDITIONS TO AVOID: Stable under normal conditions of use, storage & transport. Steel at temperatures above the melting point may liberate fumes containing oxides of iron, chromium (hexavalent chromium) and alloying elements. Avoid generation of airborne fume.

INCOMPATIBLE PRODUCTS AND MATERIALS TO AVOID: Not Applicable

HAZARDOUS DECOMPOSITION PRODUCTS: Combusted mineral oil may contain polynuclear aromatic hydrocarbons.

HAZARDOUS POLYMERIZATION: Not Applicable

SECTION 11 & TOXICOLOGICAL INFORMATION

METAL FUMES

When this product is welded or involved in a high temperature operation, fumes are generated. Breathing fumes or dusts of this product may result in metal fume fever, which is an illness produced by inhaling metal oxides. The signs and symptoms are generally flu-like. They include fever, chills, nausea, headache, fatigue, muscle aches, joint pains, lack of appetite, shortness of breath, pneumonia, chest pain, change in blood pressure, dizziness, and coughing. These oxides are produced by heating various metals including cadmium, zinc, magnesium, copper, antimony, nickel, cobalt, manganese, tin, lead, beryllium, silver, chromium, aluminum, selenium, iron, and arsenic. The most common agents involved are zinc and copper.

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IRON

The primary component of this product is iron. Long-term exposure to iron dusts or fumes can result in a condition called siderosis which is considered to be a benign pneumoconiosis. Symptoms may include chronic bronchitis, emphysema, and shortness of breath upon exertion. Penetration of iron particles in the skin or eye may cause an exogenous or ocular siderosis which may be characterized by a red-brown pigmentation of the affected area. Ingestion overexposures to iron may affect the gastrointestinal, nervous, and hematopoietic system and the liver.

				Toxicity	y			
Type of Dose	Specie	Result	Type of Dose	Specie	Result	Type of Dose	Specie	Result
LD _{lo (oral)}	Dog	30 mg/kg	LD _{50(dermal)}	Rabbit	No Data	LC _{50(inh)}	Rat (5 minutes)	No Data

Specific organ toxicity, single exposure: No data available

Specific organ toxicity, repeated exposure: No data available

CARCINOGENICITY

IARC/NTP	Not Listed					
California (Pro	p 65): Not	NIOSH: Not Listed	ACGIH: Not classifiable as a human	OSHA: Not		
Listed		NIOSH: Not Listed	carcinogen	Listed		
MUTAGENICITY, TERATOGENICITY AND REPRODUCTIVE EFFECTS						
Respiratory or Skin sensitization: No data available			Germ cell mutagenicity: Not expected to cause effects			
Reproductive toxicity: Not expected to cause effects			Teratogenicity: No data available			
Skin Corrosion/irritation: Causes skin irritation and			Serious eye damage, irritation: may cause serious eye			
repeated exposure caused dryness and cracking			irritation			

Synergistic effects: No data available

Aspiration hazard: May be fatal if aspirated and enters airway

RTECS #: NO7400000

NICKEL

The health effects of nickel exposures include contact dermatitis in sensitized individual, eye irritation, asthma, pulmonary fibrosis, and edema.

	TOXICITY							
Type of Dose	Specie	Result	Type of Dose	Specie	Result	Type of Dose	Specie	Result
LD _{50(Intra)}	Rat	250 mg/kg	LD _{50(dermal)}	Rabbit	No Data	LC _{50(inh)}	Rat (4 hours)	No Data

Specific organ toxicity, single exposure: No data available

Specific organ toxicity, repeated exposure: No data available

CARCINOGENICITY

2B: Possibly carcinogenic to humans

ı	NIP	Listed				
	California (Prop	65): Listed	NIOSH: Listed	ACGIH: A5: Not Suspected as a Human	OSHA: Not	
as carcinogen		NIOSII. Listed	Carcinogen	Listed		

MUTAGENICITY, TERATOGENICITY AND REPRODUCTIVE EFFECTS

,	
Respiratory or Skin sensitization: No data available	Germ cell mutagenicity: test performed on rats showed negative results
Reproductive toxicity: No data available	Teratogenicity: No data available
Skin Corrosion/irritation: No data available	Serious eye damage, irritation -rabbit: mild eye irritation
Synergistic effects: No data available	Aspiration hazard: No data available

RTECS #: QR5950000

IARC

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Cobalt has caused lung damage in animal studies. It also has caused pulmonary sensitization. Allergic dermatitis has also been caused by cobalt. There is one study indicating cobalt may be carcinogenic, but this has not been confirmed by other human studies.

				Toxicity	/			
Type of Dose	Specie	Result	Type of Dose	Specie	Result	Type of Dose	Specie	Result
LD _{50(Intra)}	Rat	6,171 mg/kg	LD _{50(dermal)}	Rabbit	No Data	LC _{50(inh)}	Rat (4 hours)	No Data

Specific organ toxicity, single exposure: No data Specific organ toxicity, repeated exposure: No data available available

CARCINOGENICITY

IARC	2A: Probably carcinogenic to humans
NTP	Listed

California (Prop 65):		ACGIH: A3 - Confirmed animal	OSHA: Not
Listed	NIOSH: Not Listed	carcinogen with unknown relevance to	Listed
Listed		humans	Listed

MUTAGENICITY, TERATOGENICITY AND REPRODUCTIVE EFFECTS

We mide them; Telemost the	III III (D INEI NODE CII) E EII E CI	
Respiratory or Skin sensitization: No data available	Germ cell mutagenicity: No data available	
Reproductive toxicity: No data available	Teratogenicity: No data available	
Skin Corrosion/irritation: No data available	Serious eye damage, irritation: No data available	
Synergistic effects: No data available	Aspiration hazard: No data available	

RTECS #: None

IARC

CHROMIUM

Acute effects of exposure to chromium include irritation, lung damage, and pneumonia.

TOXICITY

	10011							
Type of Dose	Specie	Result	Type of Dose	Specie	Result	Type of Dose	Specie	Result
LD _{50(oral)}	Rat	27.5 mg/kg	LD _{50(dermal)}	Rabbit	No Data	LC _{50(inh)}	Rat (4 hours)	No Data

Specific organ toxicity, single exposure: May cause Specific organ toxicity, repeated exposure: No data available respiratory irritation

CARCINOGENICITY

Group 3: Not classifiable as to its carcinogenicity to humans

NTP	Not Listed					
California (Prop 65): Not Listed	NIOSH: Not Listed	ACGIH: Not Listed	OSHA: Not Listed			
MUTACENICITY TERATOCENICITY AND REPRODUCTIVE FEEECTS						

Respiratory or Skin sensitization: Testing showed no Germ cell mutagenicity: test performed on rats showed sensitization negative results Reproductive toxicity: No data available Teratogenicity: No data available Skin Corrosion/irritation: Testing showed no irritation Serious eye damage, irritation-Testing showed no irritation

Synergistic effects: No data available Aspiration hazard: No data available

RTECS #: GB4200000



			N.	1 OLYI	BDENUN	1			
Exposure to Mo									
may raise the U	may raise the Uric Acid level in the body, which may lead to gout. Molybdenum may damage the liver and kidneys.								
		T		Tox	ICITY				
Type of Dose	Specie	Result	Type of Dose	Spec	cie	Result	Type of Dose	Specie	Result
LD _{50(oral)}	Mouse	> 5,000 mg/kg	LD _{50(dermal)}	Rab	bit	No Data	LC _{50(inh)}	Rat (4 hours)	No Data
Specific organ tavailable	toxicity, sing	le exposure:	No data		Specif availal		city, repeated	exposure:	No data
			CA	RCINC)GENIC	TY			
IARC/NTP					No	t Listed			
California (Pi List	_	NIOS	H: Not Liste	ed		ACGIH	: Not Listed		OSHA: Not Listed
	M	UTAGENICIT	Y, TERATOG	ENIC	ITY AND	REPRODUC	TIVE EFFECT	TS .	
Respiratory or S			a available				icity: No data		
Reproductive to							data available		
Skin Corrosion			ole				e, irritation: 1		ilable
Synergistic effe		available			A	spiration haz	ard: No data a	vailable	
RTECS #: QA4	1680000								
					PPER				
Copper can cau	se alterations	s in taste. It c	an also be an	irrita	nt to the	mucous men	mbranes.		
	TOXICITY								
Type of Dose	Specie	Result	Type of Dose	S_{j}	pecie	Result	Type of Dose	Specie	Result
LD _{50(oral)}	Mouse	413 mg/kg	LD _{50(dermal)}	R	abbit	No Data	LC _{50(inh)}	Rat (4 hours	No Data
Specific organ t	toxicity, sing	le exposure:	No data		•	•	city, repeated	exposure:	No data
available					availat				
			CA	RCINC	OGENIC				
IARC/NTP					No	t Listed			
California (P Lis	ted	NIOS	SH: Not Liste				: Not Listed		OSHA: Not Listed
				ENIC			TIVE EFFECT		
Respiratory or S			a available				icity: No data		
Reproductive to			-				data available		
	Skin Corrosion/irritation: No data available Serious eye damage, irritation: No data available						ılable		
	Synergistic effects: No data available Aspiration hazard: No data available								
RTECS #: GL5325000									
					MINUM				
Exposure to aluminum can cause "metal fume fever." This is a flu-like illness with symptoms of metallic taste in the mouth, headache, fever and chills, aches, chest tightness and cough. The symptoms may be delayed for several hours after exposure and usually last for a day or two.									
exposure and us	suarry rast 101	i a day of two	··	Тот	TOPET				
			Tyma of	108	ICITY		Tyma of		
Type of Dose	Specie	Result	Type of Dose	S	pecie	Result	Type of Dose	Specie	Result
LD _{50(Intra)}	Rat	No Data	LD _{50(dermal)}	R	abbit	No Data	LC _{50(inh)}	Rat (4 hours	No Data

Tubing



LD _{50(oral)}	Mu in sensitiza city: No da ritation: No s: No data a 0000	UTAGENICI ution: No da ata available o data availa available to manga system effe	SH: Not Lis TY, TERATO ta available able nese include	ted GENI MA e irri	CITY AN Germ Terato Serior Aspir	Iot Listed CGIH: A4: 1 Human D REPRODUC cell mutagen ogenicity: No us eye damag ation hazard:	Carcinogen CTIVE EFFECT icity: No data data available, irritation: No data avai	CTS a available le No data avai lable	OSHA: Not Listed
Respiratory or Skin Reproductive toxic Skin Corrosion/irri Synergistic effects RTECS #: BD0330 Acute effects of results in central Type of Dose S LD _{50(oral)}	Mun sensitiza city: No da citation: No s: No data a 0000 exposure nervous s	UTAGENICI ution: No da ata available o data availa available to manga system effe	ta available e able nese include	MAI e irri	CITY AN Germ Terato Serior Aspir	CGIH: A4: N Human D REPRODUC cell mutagen ogenicity: No us eye damag ation hazard:	Carcinogen CTIVE EFFECT icity: No data data available, irritation: No data avai	CTS a available le No data avai lable	Listed
Respiratory or Skin Reproductive toxic Skin Corrosion/irri Synergistic effects RTECS #: BD0330 Acute effects of results in central Type of Dose S LD50(oral)	Mun sensitiza city: No da citation: No s: No data a 0000 exposure nervous s	UTAGENICI ution: No da ata available o data availa available to manga system effe	ta available e able nese include	MAI e irri	Germ Terato Serior Aspir	Human D REPRODUC cell mutagen ogenicity: No us eye damag ation hazard:	Carcinogen CTIVE EFFECT icity: No data data available, irritation: No data avai	CTS a available le No data avai lable	Listed
Reproductive toxic Skin Corrosion/irri Synergistic effects RTECS #: BD0330 Acute effects of results in central Type of Dose S LD50(oral)	n sensitiza city: No da itation: No s: No data a 0000 exposure nervous s	ation: No da ata available o data availa available to manga system effe	ta available e able nese include	<i>MAl</i> e irri	Germ Terato Seriou Aspir	cell mutagen ogenicity: No us eye damag ation hazard:	icity: No dat data availab e, irritation: No data avai	a available le No data avai lable	lable
Reproductive toxic Skin Corrosion/irri Synergistic effects RTECS #: BD0330 Acute effects of results in central Type of Dose S LD50(oral)	n sensitiza city: No da itation: No s: No data a 0000 exposure nervous s	ation: No da ata available o data availa available to manga system effe	ta available e able nese include	<i>MAl</i> e irri	Germ Terato Seriou Aspir	cell mutagen ogenicity: No us eye damag ation hazard:	icity: No dat data availab e, irritation: No data avai	a available le No data avai lable	lable
Reproductive toxic Skin Corrosion/irri Synergistic effects RTECS #: BD0330 Acute effects of results in central Type of Dose S LD50(oral)	city: No daritation: No data a 0000 exposure nervous s	ata available o data availa available to manga system effe	e able nese include	e irri	Terato Seriou Aspira NGANESI	ogenicity: No us eye damag ation hazard:	data availab e, irritation: No data avai	le No data avai lable	lable
Skin Corrosion/irri Synergistic effects RTECS #: BD0330 Acute effects of results in central Type of Dose S LD _{50(oral)}	exposure nervous s	o data availa available to manga system effe	nese include	e irri	Seriou Aspira NGANESI	us eye damag ation hazard:	e, irritation: No data avai	No data avai lable	lable
Acute effects of results in central Type of Dose S LD _{50(oral)}	exposure nervous s	to manga	nese include	e irri	Aspir.	ation hazard:	No data avai	lable	
Acute effects of results in central Type of Dose S LD _{50(oral)}	exposure nervous s	system effe	nese include	e irri			and nnew		
Type of Dose S	nervous s Specie	system effe	nese include	e irri			and nnow	. ~	
Type of Dose S	nervous s Specie	system effe	nese include	e irri			and nneu		
Type of Dose S	Specie			To			, and pileui	mon1a. Chr	onic exposur
Dose S LD _{50(oral)}	_	D 1		10	OXICITY				
LD _{50(oral)}	Rat	Result	Type of Dose		pecie	Result	Type of Dose	Specie	Result
		9 gm/kg	LD _{50(dermal)}	R	abbit	No Data	LC _{50(inh)}	Rat (4 hours)	No Data
Specific organ toxicity, single exposure: No data available Specific organ toxicity, repeated exposure: No data available									
			CA	RCI	NOGENIC	CITY			
IARC/NTP					No	ot Listed			
` ' NIOSH: Not Listed					OSHA: Not Listed				
	Μτ	UTAGENICI	TY, TERATO	GENI	CITY AN	D REPRODUC	CTIVE EFFEC	CTS	
Respiratory or Skir	n sensitiza	tion: No da	ta available			ell mutagenio e results	city: test perf	ormed on rate	showed
Reproductive toxic	city: No da	ata available	e		Teratog	genicity: No d	lata available	;	
Skin Corrosion/irri	itation: No	data availa	ıble		Serious eye damage, irritation -rabbit: mild eye irritation				
Synergistic effects	s: No data	available			Aspirat	ion hazard: N	lo data availa	ıble	
RTECS #: OO927	75000								
					TANIUM		1 11 001		. ~
Titanium dust inl with skin or eyes						st, coughing	and difficu	ilty in breath	ing. Contact
	1	Т		TC	OXICITY	Г			Т
Type of Dose S ₁	pecie	Result	Type of Dose	Sı	pecie	Result	Type of Dose	Specie	Result
()	Rabbit	No Data	$LD_{50(dermal)}$	R	abbit	No Data	LC _{50(inh)}	Rat (4 hours)	No Data
Specific organ toxi available	icity, singl	le exposure			•		ty, repeated o	exposure: No	o data availabl
11 D C 2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7			CA	RCI	NOGENIC				
IARC/NTP		_		- 1		ot Listed			
California (Prop Listed	California (Prop 65): Not Listed NIOSH: Not Listed		d		CGIH: A3 - Conogen with unhuman			OSHA: Not Listed	

Tubing



	Respiratory or Skin sensitization: No data available					Germ cell mutagenicity: No data available			
Reproductive toxicity: No data available					Teratogenicity: No data available				
Skin Corrosion/irritation: No data available					ous eye damage			lable	
Synergistic effects: No data available					ration hazard: 1	No data availa	ıble		
RTECS #: XI	R1700000)							
			HEXA	VALENT C	HROMIUM				
chromium can the nasal passa nasal passages	irritate thages and respondence to the sound in the sound	ne nose, throat, a result in ulcers.	and lungs. Rep In severe cases me allergic to	eated or p s, exposure hexavalen ess of brea	rolonged expose causes perfora t chromium so tth. Hexavalent	ure can damag tion of the seg that inhaling t	ge the muco ptum (the v the chroma	ation. Hexavalent ous membranes of wall separating the te compounds can nic to workers.	
	1			Toxici	ΓY	1	T		
Type of Dose	Specie	Result	Type of Dose	Specie	Result	Type of Dose	Specie	Result	
$LD_{\rm 50(oral)}$	Rat	No Data	LD _{50(dermal)}	Rabbit	No Data	LC _{50(inh)}	Rat (1 hour)	No Data	
Specific organavailable	toxicity,	single exposure	: No data	Spec	rific organ toxic	rity, repeated	exposure:	No data available	
			CA	RCINOGE	NICITY				
IARC			(Group 1: c	arcinogenic to l	numans			
NTP					Listed				
	California (Prop 65): Listed NIOSH: Listed				ACGIH: A1 - Confirmed human carcinogen OSHA: Listed 29 CFR 1910.1026				
MUTAGENICITY, TERATOGENICITY AND REPRODUCTIVE EFFECTS									
_		sitization: No d			n cell mutageni	•			
		No data availab			togenicity: No				
		n: No data avail	<u>able</u>		ous eye damage			lable	
Synergistic ef				Aspi	ration hazard: 1	No data availa	ıble		
RTECS #: GB6262000									
SECTION 12 * ECOLOGICAL INFORMATION									
		his product as so ially hazardous			dividual compo	onents of the p	product wh	en processed have	
				IRON					
				Toxici					
Type of Do	ose	Specie	Result		ype of Dose	Speci	e	Result	
LC ₅₀		Striped bass	13.6 mg/l 96 hour	L	EC ₅₀			No Data	
Persistence a	nd Degra	dability/ Bioac	cumulative P	otential/N	Iobility in Soil	Not applicab	ole or no da	nta ————	
				Сорре					
			_	TOXICI					
Type of Do		Specie	Result		ype of Dose	Speci		Result	
LC ₅₀	F	athead Minnow 96 hours	0.0068-0.01 mg/L	156	EC ₅₀	Water F 48 hou		0.03 mg/L	
Persistence a	nd Degra	dability/ Bioac	cumulative P	otential/N	Io <mark>bility in Soil</mark> :	Not applicab	ole or no da	ıta	
				MANGAN					
				TOXICI		<u></u>	1		
Type of Do	ose	Specie	Result	Γ	ype of Dose	Speci	e	Result	

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Persistence and Degradability/ Bioaccumulative Potential/Mobility in Soil: Not applicable or no data **NICKEL** Type of Dose Specie Result Type of Dose Specie Result **LC50** **Rainbow Trout 96 hours 15.3 mg/L EC50** **Persistence and Degradability/ Bioaccumulative Potential/Mobility in Soil: Not applicable or no data **CHROMIUM** Type of Dose Specie Result Type of Dose Specie Result **LC50** **Grap 14.3 mg/L EC50** **Grap 14.3 mg/L	1	Rainbow Trout				<u> </u>			
Toxicity		96 hours							
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Persistence and De	gradability/ Bioacc		•	Not applicable or no	o data			
Type of Dose									
Persistence and Degradability Bioaccumulative Potential/Mobility in Soil: Not applicable or no data		1							
Persistence and Degradability/ Bioaccumulative Potential/Mobility in Soil: Not applicable or no data **TOXICITY** Type of Dose	Type of Dose		Result	Type of Dose	•	Result			
$\begin{tabular}{ c c c c c } \hline CHROMIUM \\ \hline TOXICITY \\ \hline Type of Dose & Specie & Result & Type of Dose & Specie & Result \\ LC_{50} & Carp & 14.3 mg/L & EC_{50} & Water Flea & 0.07 mg/l \\ \hline As hours & As hours & As hours & 0.07 mg/l \\ \hline Persistence and Degradability/ Bioaccumulative Potential/Mobility in Soil: Not applicable or no data \\ \hline \hline $COBALT$ \\ \hline TOXICITY \\ \hline Type of Dose & Specie & Result & Type of Dose & Specie & Result \\ LC_{50} & Zebra Fish & 100 mg/L & EC_{50} & Water Flea & 48 hours \\ \hline 96 hours & 100 mg/L & EC_{50} & Water Flea & 100 mg/l \\ \hline $Persistence and Degradability/ Bioaccumulative Potential/Mobility in Soil: Not applicable or no data \\ \hline $MOLYBDENUM$ \\ \hline $TOXICITY$ \\ \hline Type of Dose & Specie & Result & Type of Dose & Specie & Result \\ LC_{50} & Rainbow Trout & 644 mg/L & EC_{50} &$	$1 C_{-}$ $1 S_{2} m \alpha / 1 = 1 C_{-}$ $1 C_{-}$ $1 C_{-}$								
Toxicity Type of Dose	Persistence and De	gradability/ Bioacc		·	Not applicable or no	o data			
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $									
$ \begin{array}{ c c c c } \hline LC_{50} & Carp \\ 96 \ hours & 14.3 \ mg/L \\ \hline \hline \textbf{Persistence and Degradability/Bioaccumulative Potential/Mobility in Soil: Not applicable or no data } \\ \hline \textbf{Not applicable or no data} \\ \hline \hline \textbf{Specie} & \textbf{Result} \\ \hline \textbf{TOXICITY} \\ \hline \textbf{Type of Dose} & Specie & Result \\ \hline \textbf{LC}_{50} & Zebra Fish \\ 96 \ hours & 100 \ mg/L & EC_{50} & Water Flea \\ 48 \ hours & > 100 \ mg/L \\ \hline \textbf{Persistence and Degradability/Bioaccumulative Potential/Mobility in Soil: Not applicable or no data } \\ \hline \textbf{MOLYBDENUM} \\ \hline \textbf{TOXICITY} \\ \hline \textbf{Type of Dose} & Specie & Result & Type of Dose & Specie & Result \\ \hline \textbf{LC}_{50} & Rainbow Trout \\ 96 \ hour & 644 \ mg/L & EC_{50} & & No Data \\ \hline \textbf{Persistence and Degradability/Bioaccumulative Potential/Mobility in Soil: Not applicable or no data } \\ \hline \textbf{ALUMINUM} \\ \hline \textbf{Persistence and Degradability/Bioaccumulative Potential/Mobility in Soil: Not applicable or no data } \\ \hline \textbf{ALUMINUM} \\ \hline \textbf{TOXICITY} \\ \hline \textbf{Type of Dose} & Specie & Result & Type of Dose & Specie & Result \\ \hline \textbf{LC}_{50} & & No Data & EC_{50} & & No Data \\ \hline \textbf{Persistence and Degradability/Bioaccumulative Potential/Mobility in Soil: Not applicable or no data } \\ \hline \textbf{Persistence and Degradability/Bioaccumulative Potential/Mobility in Soil: Not applicable or no data } \\ \hline \textbf{Persistence and Degradability/Bioaccumulative Potential/Mobility in Soil: Not applicable or no data } \\ \hline \textbf{Persistence and Degradability/Bioaccumulative Potential/Mobility in Soil: Not applicable or no data } \\ \hline \textbf{Persistence and Degradability/Bioaccumulative Potential/Mobility in Soil: Not applicable or no data } \\ \hline \textbf{EC}_{50} & & No Data & EC_{50} & & No Data \\ \hline \textbf{EC}_{50} & & No Data & EC_{50} & & No Data \\ \hline \textbf{EC}_{50} & & No Data & EC_{50} & & No Data \\ \hline \textbf{EC}_{50} &$,				T			
Persistence and Degradability/ Bioaccumulative Potential/Mobility in Soil: Not applicable or no data COBALT	Type of Dose	•	Result	Type of Dose	•	Result			
Not applicable or no data COBALT	LC ₅₀		14.3 mg/L	EC ₅₀		0.07 mg/l			
$\begin{tabular}{ c c c c } \hline \textbf{TOXICITY} \\ \hline \textbf{Type of Dose} & Specie & Result & Type of Dose & Specie & Result \\ \hline \textbf{LC}_{50} & Zebra Fish & 96 hours & 100 mg/L & EC_{50} & Water Flea & 48 hours & > 100 mg/l & 80 hours $		<u> </u>	umulative Potent	tial/Mobility in Soil:	Not applicable or no	o data			
Toxicity Type of Dose Specie Result Type of Dose Specie Result LC ₅₀ Zebra Fish A 100 mg/L EC ₅₀ Water Flea 48 hours Persistence and Degradability/ Bioaccumulative Potential/Mobility in Soil: Not applicable or no data **MoLYBDENUM** TOXICITY Type of Dose Specie Result Type of Dose Specie Result LC ₅₀ Rainbow Trout 96 hour 644 mg/L EC ₅₀	Not applicable or no	data							
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			To	XICITY					
Persistence and Degradability/ Bioaccumulative Potential/Mobility in Soil: Not applicable or no data MOLYBDENUM TOXICITY	Type of Dose		Result	Type of Dose	•	Result			
TOXICITY Type of Dose Specie Result Type of Dose Specie Result LC ₅₀ Rainbow Trout 96 hour 644 mg/L EC ₅₀	LC_{50}		100 mg/L	EC ₅₀		> 100 mg/l			
$ \begin{array}{ c c c c } \hline Toxicity \\ \hline Type of Dose & Specie & Result & Type of Dose & Specie & Result \\ \hline LC_{50} & Rainbow Trout & 644 mg/L & EC_{50} & & No Data \\ \hline \textbf{Persistence and Degradability/ Bioaccumulative Potential/Mobility in Soil: Not applicable or no data} \\ \hline \textbf{ALUMINUM} \\ \hline \textbf{TOXICITY} \\ \hline Type of Dose & Specie & Result & Type of Dose & Specie & Result \\ LC_{50} & & No Data & EC_{50} & & No Data \\ \hline \textbf{Persistence and Degradability/ Bioaccumulative Potential/Mobility in Soil: Not applicable or no data} \\ \hline \textbf{Persistence and Degradability/ Bioaccumulative Potential/Mobility in Soil: Not applicable or no data} \\ \hline \textbf{TOXICITY} \\ \hline Type of Dose & Specie & Result & Type of Dose & Specie & Result \\ LC_{50} & & No Data & EC_{50} & & No Data \\ \hline \textbf{Persistence and Degradability/ Bioaccumulative Potential/Mobility in Soil: Not applicable or no data} \\ \hline \textbf{Persistence and Degradability/ Bioaccumulative Potential/Mobility in Soil: Not applicable or no data} \\ \hline \textbf{SECTION 13 * DISPOSAL CONSIDERATIONS} \\ Not Meant To Be All Inclusive - Check Local, State, And Federal Laws And Regulations} \\ \hline \textbf{Waste Disposal Method: Metals may be reclaimed. Dispose of in a landfill in accordance with all local, state, and federal regulations.} \\ \hline \textbf{SECTION 14 © TRANSPORTATION INFORMATION} \\ \hline \end{tabular}$	Persistence and Degradability/ Bioaccumulative Potential/Mobility in Soil: Not applicable or no data								
$ \begin{array}{ c c c c } \hline Type of Dose & Specie & Result & Type of Dose & Specie & Result \\ \hline LC_{50} & Rainbow Trout \\ 96 hour & 644 mg/L & EC_{50} & & No Data \\ \hline \hline \textbf{Persistence and Degradability/ Bioaccumulative Potential/Mobility in Soil: Not applicable or no data} \\ \hline \textbf{ALUMINUM} \\ \hline \hline \textbf{TOXICITY} \\ \hline Type of Dose & Specie & Result & Type of Dose & Specie & Result \\ LC_{50} & & No Data & EC_{50} & & No Data \\ \hline \textbf{Persistence and Degradability/ Bioaccumulative Potential/Mobility in Soil: Not applicable or no data} \\ \hline \textbf{TITANIUM} \\ \hline \textbf{TOXICITY} \\ \hline Type of Dose & Specie & Result & Type of Dose & Specie & Result \\ LC_{50} & & No Data & EC_{50} & & No Data \\ \hline \textbf{Persistence and Degradability/ Bioaccumulative Potential/Mobility in Soil: Not applicable or no data} \\ \hline \textbf{Persistence and Degradability/ Bioaccumulative Potential/Mobility in Soil: Not applicable or no data} \\ \hline \textbf{SECTION 13 * DISPOSAL CONSIDERATIONS} \\ \hline Not Meant To Be All Inclusive - Check Local, State, And Federal Laws And Regulations} \\ \hline \textbf{Waste Disposal Method: Metals may be reclaimed. Dispose of in a landfill in accordance with all local, state, and federal regulations.} \\ \hline \textbf{SECTION 14 } \hline \textbf{TRANSPORTATION INFORMATION} \\ \hline \end{tabular}$	MOLYBDENUM								
LC50			To	XICITY					
Persistence and Degradability/ Bioaccumulative Potential/Mobility in Soil: Not applicable or no data	Type of Dose	Specie	Result	Type of Dose	Specie	Result			
$ \begin{array}{ c c c c c } \hline \textbf{ALUMINUM} \\ \hline \textbf{Toxicity} \\ \hline \textbf{Type of Dose} & \textbf{Specie} & \textbf{Result} & \textbf{Type of Dose} & \textbf{Specie} & \textbf{Result} \\ \textbf{LC}_{50} & & \textbf{No Data} & \textbf{EC}_{50} & & \textbf{No Data} \\ \hline \textbf{Persistence and Degradability/ Bioaccumulative Potential/Mobility in Soil: Not applicable or no data} \\ \hline \textbf{TITANIUM} \\ \hline \textbf{Type of Dose} & \textbf{Specie} & \textbf{Result} & \textbf{Type of Dose} & \textbf{Specie} & \textbf{Result} \\ \textbf{LC}_{50} & & \textbf{No Data} & \textbf{EC}_{50} & & \textbf{No Data} \\ \hline \textbf{Persistence and Degradability/ Bioaccumulative Potential/Mobility in Soil: Not applicable or no data} \\ \hline \textbf{SECTION 13 * DISPOSAL CONSIDERATIONS} \\ \hline \textbf{Not Meant To Be All Inclusive - Check Local, State, And Federal Laws And Regulations} \\ \hline \textbf{Waste Disposal Method: Metals may be reclaimed. Dispose of in a landfill in accordance with all local, state, and federal regulations.} \\ \hline \textbf{SECTION 14 } \hline \textbf{TRANSPORTATION INFORMATION} \\ \hline \end{tabular}$	LC_{50}		644 mg/L	EC ₅₀		No Data			
$ \begin{array}{ c c c c c } \hline \textbf{Type of Dose} & \textbf{Specie} & \textbf{Result} & \textbf{Type of Dose} & \textbf{Specie} & \textbf{Result} \\ \hline \textbf{LC}_{50} & & \textbf{No Data} & \textbf{EC}_{50} & & \textbf{No Data} \\ \hline \textbf{Persistence and Degradability/ Bioaccumulative Potential/Mobility in Soil: Not applicable or no data} \\ \hline \textbf{TITANIUM} \\ \hline \textbf{Type of Dose} & \textbf{Specie} & \textbf{Result} & \textbf{Type of Dose} & \textbf{Specie} & \textbf{Result} \\ \textbf{LC}_{50} & & \textbf{No Data} & \textbf{EC}_{50} & & \textbf{No Data} \\ \hline \textbf{Persistence and Degradability/ Bioaccumulative Potential/Mobility in Soil: Not applicable or no data} \\ \hline \textbf{Persistence and Degradability/ Bioaccumulative Potential/Mobility in Soil: Not applicable or no data} \\ \hline \textbf{SECTION 13 * DISPOSAL CONSIDERATIONS} \\ \hline \textbf{Not Meant To Be All Inclusive - Check Local, State, And Federal Laws And Regulations}} \\ \hline \textbf{Waste Disposal Method: Metals may be reclaimed. Dispose of in a landfill in accordance with all local, state, and federal regulations.} \\ \hline SECTION 14 $	Persistence and De	gradability/ Bioacc	umulative Potent	tial/Mobility in Soil:	Not applicable or no	data			
Type of Dose Specie Result Type of Dose Specie Result LC ₅₀			ALU	UMINUM					
LC ₅₀			To	XICITY					
Persistence and Degradability/ Bioaccumulative Potential/Mobility in Soil: Not applicable or no data TITANIUM TOXICITY Type of Dose Specie Result Type of Dose Specie Result LC ₅₀ No Data EC ₅₀ No Data Persistence and Degradability/ Bioaccumulative Potential/Mobility in Soil: Not applicable or no data SECTION 13 ★ DISPOSAL CONSIDERATIONS Not Meant To Be All Inclusive - Check Local, State, And Federal Laws And Regulations Waste Disposal Method: Metals may be reclaimed. Dispose of in a landfill in accordance with all local, state, and federal regulations. SECTION 14 ■ TRANSPORTATION INFORMATION	Type of Dose	Specie	Result	Type of Dose	Specie	Result			
TITANIUM Toxicity Type of Dose Specie Result Type of Dose Specie Result LC ₅₀ No Data EC ₅₀ No Data Persistence and Degradability/ Bioaccumulative Potential/Mobility in Soil: Not applicable or no data SECTION 13 ★ DISPOSAL CONSIDERATIONS Not Meant To Be All Inclusive - Check Local, State, And Federal Laws And Regulations Waste Disposal Method: Metals may be reclaimed. Dispose of in a landfill in accordance with all local, state, and federal regulations. SECTION 14 ■ TRANSPORTATION INFORMATION									
Type of Dose Specie Result Type of Dose Specie Result LC50 No Data EC50 No Data Persistence and Degradability/ Bioaccumulative Potential/Mobility in Soil: Not applicable or no data SECTION 13 ★ DISPOSAL CONSIDERATIONS Not Meant To Be All Inclusive - Check Local, State, And Federal Laws And Regulations Waste Disposal Method: Metals may be reclaimed. Dispose of in a landfill in accordance with all local, state, and federal regulations. SECTION 14 ■ TRANSPORTATION INFORMATION	Persistence and De	gradability/ Bioacc	umulative Potent	tial/Mobility in Soil:	Not applicable or no	o data			
Type of Dose Specie Result Type of Dose Specie Result LC ₅₀ No Data EC ₅₀ No Data Persistence and Degradability/ Bioaccumulative Potential/Mobility in Soil: Not applicable or no data SECTION 13 ★ DISPOSAL CONSIDERATIONS Not Meant To Be All Inclusive - Check Local, State, And Federal Laws And Regulations Waste Disposal Method: Metals may be reclaimed. Dispose of in a landfill in accordance with all local, state, and federal regulations. SECTION 14 ■ TRANSPORTATION INFORMATION			TIT	TANIUM					
LC50 No Data EC50 No Data Persistence and Degradability/ Bioaccumulative Potential/Mobility in Soil: Not applicable or no data SECTION 13 ★ DISPOSAL CONSIDERATIONS Not Meant To Be All Inclusive - Check Local, State, And Federal Laws And Regulations Waste Disposal Method: Metals may be reclaimed. Dispose of in a landfill in accordance with all local, state, and federal regulations. SECTION 14 © TRANSPORTATION INFORMATION			To	XICITY					
Persistence and Degradability/ Bioaccumulative Potential/Mobility in Soil: Not applicable or no data SECTION 13 ★ DISPOSAL CONSIDERATIONS Not Meant To Be All Inclusive - Check Local, State, And Federal Laws And Regulations Waste Disposal Method: Metals may be reclaimed. Dispose of in a landfill in accordance with all local, state, and federal regulations. SECTION 14 ■ TRANSPORTATION INFORMATION		Specie		* *	Specie	Result			
SECTION 13 * DISPOSAL CONSIDERATIONS Not Meant To Be All Inclusive - Check Local, State, And Federal Laws And Regulations Waste Disposal Method: Metals may be reclaimed. Dispose of in a landfill in accordance with all local, state, and federal regulations. SECTION 14 TRANSPORTATION INFORMATION									
Not Meant To Be All Inclusive - Check Local, State, And Federal Laws And Regulations Waste Disposal Method: Metals may be reclaimed. Dispose of in a landfill in accordance with all local, state, and federal regulations. SECTION 14 TRANSPORTATION INFORMATION	Persistence and De	· ·		· ·	• • • • • • • • • • • • • • • • • • • •	o data			
Waste Disposal Method: Metals may be reclaimed. Dispose of in a landfill in accordance with all local, state, and federal regulations. SECTION 14 TRANSPORTATION INFORMATION		SECTIO	N 13 * DISP	OSAL CONSIDER	RATIONS				
Waste Disposal Method: Metals may be reclaimed. Dispose of in a landfill in accordance with all local, state, and federal regulations. SECTION 14 TRANSPORTATION INFORMATION	Not Meant To Be A	ll Inclusive - Check	Local, State, And	Federal Laws And Re	gulations				
	•	Waste Disposal Method: Metals may be reclaimed. Dispose of in a landfill in accordance with all local, state, and federal							
Not Moont To Do All Inclusive Chook Local State And Federal Love And Develotions Not Develot		SECTION 1	14 @ TRANSI	PORTATION INFO	DRMATION				
Not Meant To Be All Inclusive - Check Local, State, And Federal Laws And Regulations: Not Regulated	Not Meant To Be A	ll Inclusive - Check	Local, State, And	Federal Laws And Re	gulations: Not Regi	ulated			

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S	ECTION 15 DI	REGULATORY IN	FORMATION			
Agency	Lis	Listing: Guidance only, consult specific regulations				
OSHA: This product is not haza	ardous under the crit	eria of the Federal OS	HA Hazard Comm	nunication Standard 29 CFR		
1910.1200. However, dusts and	fumes from this pro	duct may be combusti	ble or hazardous a	nd require protection to		
comply with applicable Federal						
CERCLA RQ's	Steel is not reportable, however, it contains hazardous substances that may be reportable if released in pieces with diameters less than or equal to 0.004 inches (RQ marked with an "*").					
	Chromium	5000 pounds *	Copper	5000 pounds *		
	Nickel	100 pounds *				
EDCD A 212 (D - minimi-)	Nickel, Cobalt, Ca	dmium: 0.1%				
EPCRA 313 (De minimis)		num, Vanadium, Alum	inum, Manganese,	, Chromium: 1%		
CAA 112(r) TQ	None Listed					
Section 304 EHS RQ		No	ne Listed			
Section 302 (EHS) TPQ		No	one Listed			
RCRA Code		Chron	mium-D007			
TSCA: Components of this prod	duct are listed on the	TSCA Inventory				
SARA (40 CFR Part 355) TPQ'	s: None of the ingre	dients are listed				
SARA 302/304/311/312 extrem			planning: None of	the ingredients are listed		
				num, Aluminum, Tungsten,		
New Jersey		ım, Silicon and Tantal				
Donosalasonio	Aluminum, Cobal	t, Copper, Chromium,	Manganese, Moly	bdenum, Silicon, Nickel,		
Pennsylvania	Tungsten, Tantalu	m and Vanadium				
Massachusetts	Aluminum, Tungs	ten, Cobalt, Copper, S	ilicon, Molybdenu	ım, Chromium, Manganese,		
Wassachusetts	Massachusetts Nickel and Tantalum					
California Prop. 65: This product may contain chemicals (nickel and cobalt) known to the state of California to cause						
California Prop. 65: This produc	•• ••• •••					
cancer		`				

Clean Water Act (CWA) 307: Chromium, Copper and Nickel

Clean Water Act (CWA) 311 and Clean Air Act Section 602 Class I and II Substances: None listed

SECTION 16 # OTHER INFORMATION



NFPA LABEL



HMIS III LABEL

Personal Protection Index NPCA recommends that PPE codes be determined by the employer, who is familiar with the actual conditions under which chemicals in the facility are used.

Acronym List				
°F=degrees Fahrenheit	°C=degrees Celsius	ACGIH= American Conference of Industrial Hygienists		
APR=Air Purifying Respirator	BCF= Bioconcentration Factor	BuAc=Butyl Acetate		
CAS=Chemical Abstract Service	CERCLA= Comprehensive Environmental Response, Compensation, and Liability Act	CHEMTREC= Chemical Transportation Emergency Center		
CNS=Central Nervous System	CWA=Clean Water Act	DOT=Department of Transportation		
EC ₅₀ = Effective Concentration Fifty	EPA=Environmental Protection Agency	g/Kg=Grams per Kilogram		
g/M³=Grams per Cubic Meter	GHS=Global Harmonization System	H ₂ O=Water		

Tubing



SDS # Webco-04

DATE: <u>11/11/22</u>

	Acronym List				
HAP=Hazardous Air Pollutants	HMIS= Hazardous Materials	IARC= International Agency for			
11/11 – Huzurdous / III Tollatalits	Identification System	Research on Cancer			
LC ₅₀ =Lethal Concentration Fifty	LD ₅₀ =Lethal Dose Fifty	LEL=Lower Explosive Limit			
Log P _{ow} =Octanol/water partition coefficient	mg/Kg=Milligrams per Kilogram	mg/L=Milligrams per Liter			
mL/Kg=Milliliters per Kilogram	mm HG=millimeters of mercury	N.O.S=Not Otherwise Specified			
NFPA=National Fire Protection	NIOSH= National Institute for	NTD-National Toyloglogy Program			
Association	Occupational Safety and Health	NTP=National Toxicology Program			
OSHA=Occupational Safety and Health	PEL=Permissible Exposure Limit	ppm=Parts per Million			
Administration	FEL-Fermission Exposure Limit	ppiii—r arts per iviliion			
RCRA=Resource Conservation and	PO-Parartable Quantities	RTECS=Registry of Toxic Effects of			
Recovery Act	RQ=Reportable Quantities	Chemical Substances			
SARA= Superfund Amendments and	SDS_Sefety Date Sheet	CTCI -Chout Town Evnoques Limit			
Reauthorization Act	SDS=Safety Data Sheet	STEL=Short Term Exposure Limit			
STOT=Single Target Organ Toxicity	TLV=Threshold Limit Value	TPQ=Threshold Planning Quantity			
TSCA=Toxic Substance and Control Act	TWA=Time Weighted Average	UEL=Upper Explosive Limit			
SDS REVISIONS: Reviewed and updated all Sections					

SDS CREATION DATE: 06/16/15 **REVISION #1:** 11/11/22

DISCLAIMER

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SDS DEVELOPER: Case William

Cass Willard, CIH