



Safety Data Sheet (US & CN Only)

The following is of Jurisdictional Structure and Format only.

Content for any one line item in the below is provided solely for convenience.

Cascade Steel Rolling Mills, Inc.

(US/CN Version for International Trade)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	Carbon Steel Products
PRODUCT CODES/OTHER IDENTIFIER:	None
MANUFACTURER:	Cascade Steel Rolling Mills, Inc.
ADDRESS:	P.O. Box 687 3200 North Highway 99W McMinnville, OR 97128-9399
SUPPLIERS:	Cascade Steel Rolling Mills
EMERGENCY TELEPHONE NUMBERS:	USA: 24/7/365 Emergency Contact Not Required for Non-Hazardous Articles CN: 24/7/365 Emergency Contact Not Required for Non-Hazardous Articles
NON-EMERGENCY HEALTH/SAFETY INFORMATION:	US & Canada: (503) 472-4181
CHEMICAL FAMILY:	Metal
PRODUCT USE, RESTRICTIONS, & MIS-USE:	Non-Consumer Carbon Steel Products & Related Items.
	This product is considered a Non-Hazardous Article thus it is not regulated under US-OSHA 2012 or CAN-WHMIS 2015, and an SDS is not required for this product considering that when used as recommended or intended, or under ordinary conditions, it should not present a health and safety exposure or other hazard, nor is release of hazardous substances intended as-sold. If heated, charred, burned, or shredded the health and safety information presented below may apply.
<u>Additional Information</u>	This product is not intended for harsh environments, such as wet, solvent-containing, or extreme temperature or pressure. Please request information if considering non-STP, harsh-conditions or use beyond current product labeling.

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification: Solid metallic products distributed by Cascade Steel are generally classified as "articles" and do not constitute a hazardous material in solid form under the terms of the OSHA Hazard Communication Standard (HCS 2012) or the Hazardous Products Regulations (WHMIS 2015).	
SIGNAL WORD: DANGER	Solid metal mixtures but are not GHS classified as hazardous however it the products are welded, heated, sawed, ground, milled or machined individual metal dusts/fumes may be emitted.
SYMBOLS - PICTOGRAMS	
EMERGENCY OVERVIEW:	Chemicals can be emitted as airborne contaminants under certain processing conditions such as burning, welding, melting, cutting, brazing, sawing, grinding, milling and machining. Residual levels of hexavalent chromium may be emitted during welding or melting. Steel metal products under normal conditions do not present an inhalation, ingestion, or contact health hazard. Exposure to metallic fumes or dusts may result in toxic effects. Signs and symptoms of overexposure include redness, swelling, itching, and/or irritation of skin and eyes, respiratory difficulties such as coughing, wheezing, shortness of breath, central nervous system effects, flue-like symptoms, anorexia and weight loss.
GHS Classification and Hazard Statements	
Carcinogenicity: Category – 1B	May cause cancer
Germ cell mutagenicity - Category 2	Suspected of causing genetic defects
STOT Repeated Category 1	Causes damage to organs through single and prolonged or repeated exposure
Respiratory Sensitizer – Category 1	May cause allergy or asthma symptoms or breathing difficulties if inhaled
STOT Single Category 2 and 3	May cause damage to organs; May cause respiratory irritation
Skin Sensitizer - Category 1	May cause allergic skin reactions
Eye irritation - Category 2B	Causes eye irritation
Acute Oral Toxicity – Category 4	Harmful if swallowed
Reproductive toxicity - Category 1A, 1B	May damage fertility or the unborn child
Hazardous to the aquatic environment, long-term hazard - Category 4	May cause long lasting harmful effects to aquatic life
PRECAUTIONARY STATEMENTS: (Includes Prevention statements, First Aid Response, Storage and Disposal based on the hazard categories)	
Prevention	Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling.

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	Use in a well-ventilated area.	
	Obtain special instructions before use.	
	Do not handle until all safety precautions have been read and understood.	
	Do not eat, drink or smoke when using this product.	
	Avoid release to the environment.	
	Use personal protective equipment as required.	
	Contaminated work clothing should not be allowed out of the workplace	
FIRST AID RESPONSE		
EYES	Flush eyes with water for at least 15 minutes. Seek medical attention if eye irritation persists. Remove contact lenses if present and easy to do - continue rinsing.	
SKIN	Wash affected area with mild soap and water. See medical attention if skin irritation persists.	
INHALATION	Remove person to fresh air and keep comfortable for breathing.	
INGESTION	Dust may irritate mouth and gastrointestinal tract. If ingested, seek medical attention promptly.	
MEDICAL NOTE:	Get medical advice/attention if you feel unwell.	
STORAGE	DISPOSAL	
Store away from acids and incompatible materials	Disposal: recycle steel scrap/scale whenever possible; dispose of in accordance with applicable federal/state or local regulations.	
Store in a well-ventilated place		
Store in accordance with federal/provincial/state or local regulations.	HAZARD NOT OTHERWISE CLASSIFIED: Not applicable	
SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS		
% by Wt	INGREDIENTS (Chemical /Common Names)	CAS No. / Other
90%-100%	Iron (base metal)	7439-89-6
0.1%-2%	Manganese	7439-96-5
0.1%-1%	Copper	7440-50-8
0.1%-1%	Silicon	7440-21-3
0.1%-1%	Chromium	7440-47-3
0.1%-1%	Nickel metal	7440-02-0
0.1%-1%	Carbon	7440-44-0
0.1%-1%	Phosphorus	7723-14-0
0.1%-1%	Sulfur	7704-34-9
0.1%-1%	Molybdenum	7439-98-7
	<u>Impurities:</u>	
	None	
NA – Not applicable/ND – Not determined/NL - Not Listed/CBI - Registered as Confidential Business Information		
Additional Information	These ingredients reflect components of the finished product related to performance of the product as distributed into commerce.	

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SECTION 4: FIRST AID MEASURES		
EYE CONTACT:	Immediately flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing of the eyes by separating the eyelids with fingers. Seek emergency medical care if irritation persists.	
SKIN CONTACT:	Wash with soap and rinse with copious amounts of water. Remove and wash contaminated clothing. If persistent rash or irritation occurs, seek medical attention.	
INGESTION:	Get medical attention immediately.	
INHALATION:	Remove from area to fresh air. Seek medical attention if breathing becomes difficult.	
Description of the most important symptoms or effects, and any symptoms that are acute or delayed		
ACUTE	Exposure to excessive metal particulates and fumes can cause eye, skin and respiratory tract irritation. Acute reaction can cause condition of "metal fume fever".	
Delayed or chronic symptoms of excessive exposure	Breathing difficulties, nasal perforation and nasal cavity damage, gastrointestinal conditions, gout (inflammation of the joints)	
INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT, IF NECESSARY:	NOTES TO PHYSICIANS: May cause sensitization by skin contact or inhalation. Treat symptomatically.	
<u>Additional Information/Special Treatment</u>	Known Ingestion Antidote per WHO: NA	
SECTION 5: FIRE-FIGHTING MEASURES		
Suitable/Unsuitable Extinguishing Media:	For solid formed product, as appropriate for surrounding fire. A fire involving finely divided particles should be treated as a Class D combustible metal fire.	
Special Fire Fighting Procedures & Protective Equipment:	As with all fires, fire fighters should wear full protective gear including supplied air respirators.	
Unusual Fire and Explosion Hazards:	None.	
Specific Hazards in Case of Fire:	Carbon Steel products in the solid state are not considered a fire hazard	
<u>Additional Information</u>	EXPLOSION DATA: SENSIVITY TO MECHANICAL IMPACT: None SENSIVITY TO STATIC DISCHARGE: N/A	
SECTION 6: ACCIDENTAL RELEASE MEASURES		
Personal Precautions & PPE:	NA	
Environmental Precautions:	As with all foreign substances do not allow to enter the storm drainage systems.	
Spill Containment & Cleanup Methods/Materials:	Not applicable to carbon steel products in the solid state.	
<u>Additional Information</u>	None	
SECTION 7: HANDLING AND STORAGE		
PRECAUTIONS FOR SAFE HANDLING AND STORAGE:	Keep away from incompatible materials. Avoid breathing of and contact with fumes and dusts during processing. No specific requirements for solid formed steel product.	
OTHER PRECAUTIONS (e.g.; Incompatibilities):	No data available on packaging/materials to avoid.	
<u>Additional Information</u>	None.	
SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION		
ENGINEERING CONTROLS/SYSTEM DESIGN INFORMATION:	Use adequate enclosures, machine guarding if products are shredded for recycling.	
VENTILATION:	Local and/or general exhaust ventilation should be used to keep worker exposures below applicable exposure limits during welding, brazing, grinding, machining, and other processes which may generate airborne contaminants.	
RESPIRATORY PROTECTION:	Respirators are not needed for handling carbon steel products in the solid state. Use a NIOSH/MSHA approved dust/fume respirator if there is overexposure to fume or particulate.	
EYE/FACE PROTECTION:	Safety glasses or goggles when there are flying particles or high levels of airborne dust or fume. A welding helmet with eye protection should be worn when welding.	
SKIN PROTECTION:	Suitable for protection against physical injury and skin contact during handling and processing.	
OTHER PROTECTIVE CLOTHING OR EQUIPMENT:	None required under normal use conditions.	
EXPOSURE GUIDELINES & LIMITS:		
CHEMICAL/CAS#	OSHA PEL/TWA/Ceiling Limits AND Recommended Threshold Limit Value (TLV)	Other
Iron (base metal) 7439-89-6	PEL: 10 mg/m3 (fume) TWA; 15 mg/m3 (dust) TWA / TLV 5.0 mg/m3 (R) TWA	
Manganese 7439-96-5	PEL: 5 mg/m3 ceiling; / TLV 0.2 mg/m3 TWA	
Copper 7440-50-8	PEL 1 mg/m3 TWA; / TLV 0.2 mg/m3 TWA fume; 1 mg/m3 TWA dust	
Silicon 7440-21-3 (amorphous silica)	PEL 20 mppcf TWA / TLV 3 mg/m3 (R) TWA; 10 mg/m3 inhalable TWA	NIOSH REL 6 mg/m3 TWA
Chromium 7440-47-3	PEL: 1 mg/m3 TWA metal; 0.005 mg/m3 TWA and 0.0025 mg/m3 action limit for hexavalent chromium formed under high heat and welding conditions from chromium metal; / TLV 0.5 mg/m3 TWA metal; 0.01 mg/m3 TWA hexavalent chromium	

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Nickel metal 7440-02-0	PEL: 1 mg/m3 TWA; / TLV 1.5 mg/m3 TWA as metal; 0.2 mg/m3 TWA as insoluble compound	NIOSH REL 0.015 mg/m3
Carbon 7440-44-0	PEL 15 mg/m3 (total) TWA; 5 mg/m3 (resp) TWA / TLV No specific standard: 3 mg/m3 (resp) TWA; 10 mg/m3 inhalable TWA	
Phosphorus 7723-14-0	PEL: 0.1 mg/m3 TWA; / TLV: No specific standard as metallic phosphorus; Phosphorus volatile compounds 0.1 ppm TWA	NIOSH REL 0.1 mg/m3
Sulfur 7704-34-9	PEL No specific standard as sulfur; as Sulfur Dioxide: 5 ppm TWA ; TLV as Sulfur Dioxide 0.25 ppm STEL	NIOSH REL 2 ppm TWA and 5 ppm STEL
Molybdenum 7439-98-7	PEL 15 mg/m3 TWA; / TLV 10 mg/m3 TWA; 3 mg/m3 (resp) TWA	
EXPLANATION OF TERMS:	TWA – 8-Hour Time Weighted Average/TWA - Time-Weighted Average Exposure Value/NE – STEL: short term exposure limit/Ceiling Limit = at no time shall exposures exceed this limit. Respirable or inhalable are regarding the particle size collection size; Parts Per million 9ppm) for gases or vapors	
Additional Information	Canada generally adopts the TLVs, check with each Provincial government requirements	
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES		
APPEARANCE:	Silver-gray	
ODOUR:	Odorless	
ODOUR THRESHOLD:	NA	
PHYSICAL STATE:	Solid	
pH:	NA	
BOILING POINT: (Initial)	NA	
MELTING POINT:	3000°F	
FREEZING POINT:	Not applicable	
VAPOR PRESSURE:	Negligible	
VAPOR DENSITY (AIR = 1):	NA	
SPECIFIC GRAVITY (H2O = 1):	7-8	
EVAPORATION RATE:	Not applicable	
SOLUBILITY IN WATER:	Insoluble	
Flash Point: (Closed Cup)	Not Applicable	
Auto-ignition Temperature:	NA	
Lower Explosive Limit (LEL):	Not Applicable	
Upper Explosive Limit (UEL):	Not Applicable	
Partition Coefficient:	NA	
VISCOSITY (poise @ 25° C):	NA	
Decomposition Temperature:	Not Available	
%-Volatility:	NA	
FLAMMABILITY/HMIS HAZARD CLASSIFICATIONS (US/CN):HMIS	HEALTH: <u> 1 </u> / FLAMMABILITY <u> 0 </u> / REACTIVITY: <u> 0 </u> / PPE: <u> D </u>	
Additional Information	NFPA Rating: No signage requirement	
SECTION 10: STABILITY AND REACTIVITY		
STABILITY:	Stable under normal conditions.	
REACTIVITY/INCOMPATIBILITY (MATERIAL TO AVOID):	Acids, bases or strong oxidizing agents.	
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	Extreme heat from fire or processing may produce toxic or irritating airborne particulate, including metal and metallic oxide fumes. Reaction of some metals with water, steam, acids, etc. can evolve hydrogen, which is a highly dangerous fire and explosion hazard.	
POSSIBILITY OF HAZARDOUS REACTIONS/POLYMERIZATION:	None expected under normal conditions of storage and use.	
CONDITIONS TO AVOID:	Contact with incompatible materials. Avoid creating finely divided, concentrated airborne particulates in the presence of ignition sources.	
Additional Information	None.	
SECTION 11: TOXICOLOGICAL INFORMATION		
ROUTES OF EXPOSURES	INHALATION: Inhalation of metal particulate or fumes generated by extreme heat, burning or melting may posse acute or chronic health effects EYES: may cause irritation of the eyes SKIN: prolonged skin contact may cause skin irritation in sensitive individuals including allergic skin reactions INGESTION: Not likely	

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DESCRIPTION OF SYMPTOMS	Exposure to high concentrations of metallic fumes or dusts may result in irritation or respiratory tract and/or sensitizations of the lungs and other mucous membranes. Signs and symptoms of overexposure include redness, swelling, itching, and/or irritation of skin and eyes, respiratory difficulties such as coughing, wheezing, shortness of breath, central nervous system effects, flue-like symptoms, anorexia and weight loss.	
DESCRIPTON OF DELAYED, IMMEDIATE OR CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURES		
ACUTE TOXICITY ESTIMATES (LD50s)	LD50 for Solid Steel: NA; following for components:	
	Carbon	>10,000 mg/kg Oral-Rat
	Chromium metal Cr III	Unknown
	Chromium, hexavalent	52 mg/kg Oral-Rat
	Copper	0.47 g/kg Oral-Rat
	Iron	>15 g/kg Oral-Rat
	Manganese	9,000 mg/kg Oral-Rat
	Molybdenum	70 mg/kg, Intratracheal Rabbit
	Nickel	9,000 mg/kg Oral-Rat
	Phosphorus	3.03 mg/mg Oral-Rat
	Silicon	3,160 mg/kg Oral-Rat
	Sulfur as Sulfur Dioxide	2,400 ppm/1 hr inhalation R
EFFECTS ACUTE AND CHRONIC EXPOSURE	Iron: Excessive exposure of eyes to airborne iron oxide fumes or dusts can cause conjunctivitis, choroiditis, and retinitis. Chronic inhalation of excessive concentrations of iron oxide fumes or dusts may result in development of a benign pneumoconiosis, called siderosis, which is observable via x-ray.	
	Manganese: Chronic manganese poisoning may result from prolonged inhalation of manganese dust and fumes. The central nervous system is the chief site of damage from the disease, which may result permanent disability. Symptoms include languor, sleepiness, weakness, emotional disturbances, spastic gait, recurring leg cramps, and paralysis. Short-term exposures may result in metal fume fever characterized by fever and chills, which appear 4 to 6 hours after exposure with no long-term lung effects.	
	Silicon: irritation eyes, pneumoconiosis	
	Carbon: Inhalation of the dust may cause respiratory irritation. Symptoms may include coughing and difficulty breathing. Eye contact may cause mild irritation and redness.	
	Sulfur: Inhalation exposure may cause coughing, sneezing or labored breathing if large amounts are inhaled. Eye contact may cause irritation, redness and pain. Prolonged overexposure to sulfur dust can produce possible skin sensitization and permanent eye damage. Prolonged inhalation can cause irritation of the mucous membranes.	
	Sulfur Dioxide (possible by-product from extreme temperatures): Corrosive and irritating to the skin, eyes, and respiratory tract. Initial symptoms of exposure include nose and throat irritation, becoming steadily worse, suffocating and painful. The irritation extends to the chest causing a cough reflex. Other symptoms include headache, general discomfort and anxiety.	
	Nickel: Nickel fumes are respiratory irritants and may cause pneumonitis. Exposure to nickel and its compounds may result in the development of a dermatitis known as "nickel itch" in sensitized individuals. The first symptom is usually itching, which occurs up to 7 days before skin eruption occurs. Nickel sensitivity, once acquired, appears to persist indefinitely. Nickel and certain nickel compounds have been listed by NTP as being reasonably anticipated to be carcinogens. IARC has listed nickel compounds within Group 1 and nickel within group 2B. Nickel is not regulated as a carcinogen by OSHA.	
	Chromium: The health hazards associated with exposure to chromium are dependent upon its oxidation state. The metal form (chromium as it exists in this product) is of low toxicity; however, Hexavalent Chromium (Cr VI) can be found in welding, cutting or high temperature decomposition by-products. Cr VI is listed as Confirmed Human Carcinogen by ACGIH, IARC Group 1 and OSHA.	
	Molybdenum Metal: The airborne exposure limit is based on lower respiratory tract irritation. Metal and insoluble compounds are not listed as cancer agents.	
	Copper Metal: Inhalation of copper fume results in the irritation of the upper respiratory tract. Copper oxide fumes can cause metal fume fever. Contact with copper fumes will also cause irritation of the eyes, nose and throat. The substance is irritating to the eyes and respiratory tract. Inhalation of fume may cause metal fume fever. Ingestion could cause effects on the kidneys and liver. The effects may be delayed. Repeated or prolonged contact with skin may cause dermatitis.	

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STOT (Single Exposure):	No data available for solid steel.	
STOT (Repeated Exposure):	Respiratory system, skin and eye irritation.	
MUTAGENICITY	Chromium metal: Suspected of causing genetic defects / Germ cell mutagenicity - Category 2]	
REPRODUCTIVE EFFECTS	Manganese May damage fertility or the unborn child Reproductive toxicity - Category 1A, 1B	
TERATOGENICITY	None reported	
CARCINOGEN LISTING	Chromium, Metallic Cr III	IARC Group 3: Not classifiable as a human carcinogen
	Chromium, hexavalent	IARC Group 1 Confirmed Human Carcinogen
	Iron	IARC Group 3: Not classifiable as human carcinogen
	Metallic nickel	IARC Group 2B: possible carcinogenic
SYNERGISTIC:	None reported	
ASPIRATION:	NA	
SENSITIZATION:	Metal dusts related to nickel and hexavalent chromium may cause allergic skin reactions	
<u>UN-GHS Classifications Considered:</u>	(a) acute toxicity; (b) skin corrosion/ irritation; (c) eye damage/irritation; (d) respiratory or skin sensitization; (e) mutagenicity; (f) carcinogenicity; (g) reproductive toxicity; (h) STOST-single exposure; (i) STOST-repeated exposure; and (j) aspiration hazard.	
SECTION 12: ECOLOGICAL INFORMATION		
PERSISTENCE & DEGRADABILITY:	This material may persist in the environment for long periods, based upon its corrosion resistant, insoluble, and non-biodegradable properties.	
BIO-ACCUMULATIVE POTENTIAL (Including Mobility):	No data available on bioaccumulation.	
AQUATIC TOXICITY (Test Results & Comments):	Not applicable for solid steel products. Finely divided product, based on its components, will be hazardous to fish, animals, plants and the environment if released, the degree of which would depend on the particle size and quantity released.	
<u>Additional Information</u>	Section 12 is not strictly required by WHMIS 2015 or OSHA HCS 2012.	
SECTION 13: DISPOSAL CONSIDERATIONS		
WASTE DISPOSAL METHOD:	Metal wastes should be recycled. Follow safe solid waste disposal guidelines in accordance with federal, state and local regulations. For proper disposal, an assessment must be completed to determine the proper and permissible waste management options permissible under applicable rules, regulations, and/or laws governing your location.	
HAZARDOUS WASTE DESIGNATION/CLASS/CODE:	Metal dusts from processing may be classified as a hazardous waste, depending on various properties of the dust.	
	US - Not applicable to finished product as manufactured for distribution into commerce.	
	CN - Not applicable to finished product as manufactured for distribution into commerce.	
<u>Additional Information</u>	Not Included – Dispose/Recycle as allowed by local jurisdiction for the end-of-life characteristics as-incurred.	
SECTION 14: TRANSPORT INFORMATION		
GROUND (Roadway/Railway) – US-DOT/CAN-TDG		
<u>UN ID #</u>	<u>Proper Shipping Name</u>	<u>Hazard Class(es)</u>
NA	Not applicable for solid formed product.	
<u>Packing Group</u>	<u>Handling Precautions</u>	<u>Other</u>
AIRCRAFT – ICAO/IATA:		
<u>UN ID #</u>	<u>Proper Shipping Name</u>	<u>Hazard Class(es)</u>
	Not applicable for solid formed product.	
<u>Packing Group</u>	<u>Handling Precautions</u>	<u>Other</u>
VESSEL – IMO-IMDG:		
<u>UN ID #</u>	<u>Proper Shipping Name</u>	<u>Hazard Class(es)</u>
	Not applicable for solid formed product.	
<u>Packing Group</u>	<u>Handling Precautions</u>	<u>Other</u>

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Additional Information	<ul style="list-style-type: none"> Transport requires proper packaging and paperwork, including the Nature and Quantity of goods, per applicable origin/destination/customs points as-shipped. Not restricted for any mode of domestic or international transport. Not a Marine Pollutant as-shipped per IMO/IMDG. 	
SECTION 15: REGULATORY INFORMATION		
INVENTORY STATUS:	All components are listed by TSCA and in the DSL/eDSL/NDL, or exempt from listing, unless noted otherwise here	
U.S. FEDERAL REGULATIONS:		
	TSCA Section 8b – Inventory Status: All chemicals comprising this product are either exempt or listed on the TSCA Inventory.	
	TSCA Section 12b – Export Notification: The finished product contains chemicals subject to TSCA Section 12b export notification.	
	Chemical	CAS #
	None	NA
	CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT)	
	Chemicals present in the product which could require reporting under the statute: (CERCLA reporting only if diameter of particles released is less than 100 micrometers)	
	Chemical/CAS # (RQ)	Sec. 302 EHS?
	Nickel (threshold quantity 100 lbs.)	No
	chromium (threshold 5000 lbs.)	No
	copper (threshold 5000 lbs.)	No
	SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT) Section 313	
	The finished product contains the following chemicals listed in this regulation:	
	Chemical	CAS #/% Wt
	Manganese	0.1%-2%
	Chromium	0.1%-1%
	Nickel	0.1%-1%
	All other components are below the de minimis levels.	
	CERCLA SECTION 311/312 HAZARD CATEGORIES	
	Fire Hazard: <u>No</u> / Pressure Hazard: <u>No</u> / Reactivity Hazard: <u>No</u>	Other:
	Immediate Hazard: <u>No</u> / Delayed Hazard: <u>No</u>	NA
	Additional Use/Restriction Information: None	
U.S. STATE REGULATIONS:		
California Proposition 65 List:	Possible trace (much less than 0.1% by weight) elements known by the State to cause cancer and development, female and male	
	Chemical	CAS #
	Hexavalent chromium (cancer and developmental female, male)	18540-29-9
	Cadmium (cancer)	7440-43-9
	Lead (cancer and developmental female, male)	7439-92-1
	Nickel (cancer)	7440-02-0
	Sulfur dioxide (developmental femal, male)	7440-43-9
INTERNATIONAL REGULATIONS:		
Canada	Canadian Domestic Substance List (DSL)	
	All ingredients remaining in the finished product as distributed into commerce are included on the Domestic Substances List.	
	WHMIS Classifications	
	Not Regulated.	
	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the Controlled Products Regulations.	
	NPRI Part 5 and Ontario Regulation 127/01	
	This product contains the following chemicals subject to the reporting requirements of Canada NPRI +/-or Ont. Reg. 127/01:	
	Chemical	CAS #/% Wt
	None	NA/NA

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<u>Additional Information</u>	US and Canada rules related to chemical hazards provide exemption of manufactured articles composed of discrete solid structures, and for articles that do not pose a safety, health or intended-release hazard. When properly used and disposed as intended, this product is not expected to present a safety, health or environmental hazard as distributed into commerce.	
SECTION 16: OTHER INFORMATION		
	This product may be regulated under additional regulations and laws not identified above, such as for uses other than described or as-designed/as-intended by the manufacturer, or for distribution in specific domestic destinations.	
	Distribution into Quebec to follow Canadian Controlled Product Regulations (CPR) 24(1) and 24(2).	
MSDS/SDS PREPARATION INFORMATION:	DATE OF ISSUE: June 2016 SUPERCEDES: All Prior Versions	
	Date of Translation from English: <u> N/A </u> Translator: <u> N/A </u>	
Revision Status	Current version supersedes all earlier versions to ensure meets the current OSHA Hazard Communication/GHS requirements.	
DISCLAIMER:	<i>Cascade Steel Rolling Mills, Inc. believes the information and recommendations contained herein to be accurate and reliable. However, no liability whatsoever is assumed for the accuracy or completeness of the information contained herein. Final determination of occupational safety and health and environmental compliance and suitability of this material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Cascade Steel Rolling Mills, Inc. assumes no obligation or liability for such information and recommendations and does not guarantee results from use of product described or other information contained herein.</i>	
END		