FRY STEEL COMPANY

1. PRODUCT IDENTIFICATION

Distributor: Fry Steel Company Address: 13325 Molette, Santa Fe Springs, CA 90670 Chemical Name and Synonyms: STEEL Chemical Family: Metals Formula: Not Applicable

2. PRODUCT DESCRIPTION AND HAZARDOUS INGREDIENTS/IDENTITY INFORMATION: See Chart On Back For Listing

3. PHYSICAL DATA

Melting Point F (C): Greater Than 2800 (1540) Vapor Pressure: Not Applicable Vapor Density (Air = 1): Not Applicable Solubility in Water: Negligible

Material Safety Data Sheet STEEL

TELEPHONE: (213) 802-2721 DATE OF ISSUE: 01/22/2018 DATE OF REVIEW: 01/02/2023

Specific Gravity (H20 = 1): Greater Than 7 % Volatile by Volume (%): Not Applicable Evaporation Rate: Not Applicable

Appearance and Odor: Grayish to silvery odorless sheet, strip, plate, bar, structural shapes, pipe and tubing.

4. FIRE AND EXPLOSION HAZARD DATA

Flash Point F (C): Not Applicable

Fiammable Limits: Not Applicable Unusual Fire and Explosion Hazards: None

Special Fire Fighting Procedures: Use self-contained breathing apparatus for protection against degradation products and fire fighting technique or agent(s) applicable to surrounding materials.

DISCLAIMER OF WARRANTIES

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As sole discretion. As sole discretion. As sole the product described in this MSDS is considered by Fry Steel to be an "article" within the meaning of Title 29 of the Code of Federal Regulations, Section 1910.1200 et seq. This MSDS is intended to be used solely for the purpose of satisfying information requests made pursuant to that requirement. It is not intended to preempt, replace or expand the terms contained in Fry Steel's Conditions of Sale. Compliance with all applicable federal, state and local laws and regulations remains the responsibility of the user, and the user has the responsibility to provide a safe workplace, to examine all aspects of its operation, and to determine if or where precautions, in addition to those described herein, are required.

5. HEALTH HAZARD DATA

Applicable Statutory or Recommended Occupational Exposure Limits: No Threshold Limit Value (TLV) or Permissible Exposure Limit (PEL) exists for steel. See chart on back for listing of the individual constituents.

Effects of Overexposure:

Dust or fume may cause irritation to the eyes, nose, or throat; leave a metallic taste in the mouth; result in metal fume fever; or produce flu-like Acute symptoms

Aluminum: May initiate fibrotic changes to lung tissue Chronic -

Extinguishing Media: Use methods applicable to surrounding area.

Bismuth: No chronic debilitating symptoms indicated from metal

Boron: No chronic debilitating symptoms indicated

Chromium: Skin ulceration, irritative dermatitis, allergic reaction, ulceration of the mucous membranes, perforation of the nasal septum, bronchial carcinoma, adenocarcinoma, mutagen(?) Listed NTPARC and IARC Monographs

Copper: No chronic debilitating symptoms indicated

Iron: Siderosis

Lead: Anemia, urinary dysfunction, metallic taste in mouth, weakness, constipation, nausea, nervous disorder

Manganese: Bronchitis, pneumonitis, lack of coordination

Molybdenum: Morphological changes in the liver, kidneys, and spleen, anemia, diarrhea, bone deformity and growth retardation

Nickel: Inflammation of respiratory tract, pneumoconiosis. Skin sensitizer. Certain nickel compounds can cause cancer. Listed NTPARC and IARC Monographs

Phosphorous: Necrosis of the mandible

Sulfur (as sulfur dioxide): Edema of the lungs

Tellurium: Garlic odor of breath and perspiration, metallic taste in mouth, dryness of the mouth, inhibition of sweat function, anorexia, nausea Titanium: No chronic debilitating symptoms indicated

Vanadium: Emphysema, pneumonia

Zinc: Chromosomal anomalies in leukocytes reported. Arthritis, lameness and inflammation of the gastrointestinal tract reported from animal studies **Emergency and First Aid Procedures:**

In the event of acute exposure, remove to fresh air, administer oxygen, and seek a physician's assistance.

6. REACTIVITY DATA

Stability: Considered Stable Incompatibility: Not incompatible with materials Hazardous Polymerization: Not Applicable Hazardous Decomposition Products: Not Applicable Conditions to Avoid: May liberate metal fumes, metal oxides, or other oxides if exposed to elevated temperatures

7. SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled: Not Applicable Waste Disposal Method: This material may be reclaimed for reuse

8. SPECIAL PROTECTION INFORMATION

If operations are such that atmospheric levels of contaminants exceed prescribed limits, provide local exhaust ventilation and/or adequate respiratory protection. Consult your regional codes or code of Federal Regulations, Title 29, Part 1910.252, Welding, Cutting and Brazing, 1910.134. Respiratory Protection, and 1910-Subpart Z, Toxic and Hazardous Substances.

9. SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing: Not Applicable Other Precautions: Not Applicable

Aluminum Contaminant and Exposure Limits As Welding Fume 5	Nonresulturized Carbon Steel Standard Alloy Steel: Nickel Chromium Boron	Standard Alloy Steel: Chromium Molybdenum Norresulfurized Carbon Steel Standard Alloy Steel: Nickel Chromium, Boron Norresulfurized Carbon Steel	Nonresulturized Carbon Steel Nonresulturized Carbon Steel Standard Alloy Steel: Chromium Molybdenum	Standard Alloy Steel: Chromium Molybdenum	Inland TRI-STEEL	Inland TI-CO Galvanized	Inland MartiNsite	Inland LEDLOY AN	Inland LEDLOY	Inland INX Inland INX BISMUTH Inland INX LEDLOY	Inland INAMEL	Inland 4-WAY	Infand CORTEN W	Inland CORTEN B	Inland CAL HI-FORM	Inland ALUMA-TI ALUMINIZED STEEL	Standard Alloy Steel: Nickel, Chrome & Molybdenum Standard Alloy Steel: Nickel, Chrome & Molybdenum Standard Alloy Steel: Boron Treated	Standard Alloy Steel: Chromium and Vanadium Standard Alloy Steel: Molybdenum, Chromium and Ni Standard Alloy Steel: Molybdenum, Chromium Nickel	Standard Alloy Steel: Chromium Standard Alloy Steel: Chromium Standard Alloy Steel: Chromium	Standard Alloy Steel: Chromium Bearing Standard Alloy Steel: Boron Treated	Standard Alley Steel: Molybdenum, Chromium and Nickel Standard Alley Steel: Molybdenum and Nickel Standard Alley Steel: Boron Treated	Standard Alloy Steel: Vanadium, Titanium and Boron Standard Alloy Steel: Molybdenum, Chromium and Le Standard Alloy Steel: Malybdenum, Chromium and M	Standard Alloy Steel: Tellurium Bearing Standard Alloy Steel: Boron Treated	Standard Alloy Steel: Manganese Standard Alloy Steel: Molybdenum Bearing	Nonresulfurized Carbon Steel: Vanadium Bearing Nonresulfurized Carbon Steel: Vanadium. Tilanium ar	Rephosphorized and Resulturized Carbon Steel: Lead Nonresulturized Carbon Steel	Rephosphorized and Resulturized Carbon Steel: Tellu Rephosphorized and Resulturized Carbon Steel	Resulturized Carbon Steel: Lead and Tellurium Bearin Resulturized Carbon Steel: Lead and Tellurium Bearin Rephosnhorized and Resulturized Carbon Steel: Rism	Resulturized Carbon Steel: Vanadium Bearing Rephosphorized and Resulturized Carbon Steel: Lead	Resulturized Carbon Steel: Bismuth Bearing Resulturized Carbon Steel: Tellurium Bearing	Resulturized Carbon Steel Resulturized Carbon Steel	Nonresulfurized Carbon Steel: Bismuth Bearing Nonresulfurized Carbon Steel: Boron Treated	Nonresulfurized Carbon Steel: Bismuth Bearing Nonresulfurized Carbon Steel: Tellurium Bearing	Nonresulturized Carbon Steel: Vandium Bearing Nonresulturized Carbon Steel: Lead Bearing Nonresulturized Carbon Steel: Titanium Bearing	Garb
n Bismuth Boron g Not Listed As Boron Oxide 15 10,	ASTM AS15	ASTM A387 GR 22 ASTM A455 ASTM A514 ASTM A515	ASTM 4283 ASTM 4285 ASTM A387 GR 11	<i>.</i> ,			MartiNsite PAINT-TITE								CAL HI-FORM CORTEN A			1	51100 52100		40		4118-4161 411818-41861							1110-1151 1110-1151					1005-1005
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Manganese D As Manganese Dust	< 0.1 < 0.7	<pre>< ^ ^ ^ < 0.7</pre>	<pre>< 0.1</pre>	< 1.2	001	∧ ∧ . 0.5	000			^ ^ ^	00	00	000		000	ΛΛ 0.5	∧ ∧ / 0.2	\	∧ ∧ ∧ 0.2		00		^ ^ /		0	00	000	000		000	000	000	00	<pre>< < <</pre>	> :
_ 8	< 0.5 < 2.0	∧ ∧ ∧ ∧ 2.0 5	∧ ∧ ∧ 0.5	ΛΛ 255	∧ ∧ 0.2	ΛΛ 1 2 5	∧ ∧ / 0.2	\	۸ ۸ <i>۱</i> ۵.5	^ ^ ^	<pre>< 0.2</pre>	<pre>< 0.2</pre>	ΛΛΛ 0.5	A A 8	∧ ∧ 0.2 ∧ 0.2	ΛΛ 2,5 2,5	∧ ∧ / 3.6	\	^ ^ ^ 03		∧ 2.0	2		< 0.3	∧ 0.5	∧ ∧ 0.5	ΛΛ/ 0.5	\	A A 05	∧ ∧ / 0.5	∧ ∧ ∧ 0.5 → 0	<pre></pre>	A A 0.5	ΛΛΛ 0.5	105
Molybdenum As Soluble Mo Compounds	^ ^ 0.1	^ ^ ^ ^ ^	∧ ∧ ∕ 0.2		<pre>< 0.2</pre>	۸ ۸ ، 1 . 5	∧ ∧ / 0.4		ΛΛ 0.0.0		<pre>< ^ 0.1</pre>	< 0.2	ΛΛΛ 0.2	<pre>\</pre>	^ ^ / 02	\	^ ^ /		^ ^ ^	Λ Λ 0 1	^ ^ /		^ ^ /		^ ^ 2 2	< ^ 0.2	∧ ∧ / 0.2			۸ ۸ / 0.1		<pre>< ^ ^ </pre>	∧ ∧ 0.5	ΛΛΛ. 0.5	A D 5
Nickel As Metal Ni	۸۸ 1.0		< 1.0		∧ ∧ 0.5	A A 10.5	ΛΛ/ 05	\	۸ ۸ ۱ و و و	∧ ∧ ∧ 0 4	A A 0.5	<pre>< 0.3</pre>	^ ^ ^ 5 5 5		<pre>< / / 0.3</pre>	ΛΛ 0.5 3	ΛΛ/ 0.5	\	ΛΛΛ 0.5	^ ^ 0.3	^ ^ ^	\	^ ^ /	ΛΛ 0.3	ΛΛ 0.5	∧ ∧ 0.5	ΛΛ/ 055	\	ΛΛ 2.5.5	ΛΛ/ 05	ΛΛΛ 65	ΛΛ 2.5 3	<pre>< 0.5</pre>	Λ Λ Λ 0.5	× n 5
Phosphorus A Phosphorus (yellow)	∧ ∧ 0 1	^ ^ ^ ^	ΛΛ/ 0.1			ΛΛ.	ΛΛ/ 0.1	\	ΛΛ/ 0.4		A A 0.5		ΛΛΛ 0.4	<u>, ^ ^</u>	ΛΛ/ 0,14	\			Λ Λ Λ 0 1	Λ Λ 0.1			ΛΛ/ 0.1		∧ 0.1 0.1	∧ ∧ 0.1	ΛΛ/ 0.4	\	<pre>< ^ ^ 2</pre>	∧ ∧ 0.2	∧ ∧ ∧ 0.2	· ^ ^	<pre>< 0.5</pre>	ΛΛΛ 05 3	4 0.5
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Silicon As Nuisance Dust										< 0.2	< 0.5																	∧ ∩ 5		< 0.5		< 0.3	< 0 5		
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Tellurium As Te Compounds							<	\	000	0			∧ 0.5				6	\ > 7				< 0.5				< 0.5		∧ ∧ 0.5	∧ 0.5					< 0 5	
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Vanadium As Vandium Pentoxide Dust						98 98	V 28						> 98																						
Zinc As Zinc Oxide Dust						1	/ 5																												
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