



105 Pine Street
Imperial, PA 15126
800-245-4800
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MATERIAL SAFETY DATA SHEET

TURRET STEEL INDUSTRIES, INC.

EMERGENCY TELEPHONE NUMBER: (800) 245-4800 OR LOCAL POISON CONTROL CENTER

REVISED: JANUARY 2011

PRODUCT:

CARBON AND LOW ALLOW STEEL BARS, BILLETS, AND INGOTS

CHEMICAL FAMILY:

STEEL

GRADES:

CARBON STEEL 1000 1100 1200 1500

ALLOY STEEL CHROMIUM, NICKEL CHROMIUM AND NICKEL-CHROMIUM/MOLYBDENUM STEELS

3300 4000 4100 4300 4600 4800 5000 5200 6100 8600 8700 8800 8300 9200 9300

CHEMICAL MAKEUP:

HAZARDOUS INGREDIENTS	CAS#	OSHA PEL	TLV/TWQ	RANGE%
IRON				94/98
IRON OXIDE DUST	1309-37-1	10mg/m3	5mg/m3	
MANGANESE	7439-96-5	1mg/m3	5mg/mg	0-2
CHROMIUM	7740-47-3	1mg/m3	5mg/m3	0-2.1
NICKEL	7740-02-0	1mg/m3	1mg/m3	0-5.0

PHYSICAL DATA:

APPEARANCE/ODOR	SOLID, ODORLESS, METALLIC LUSTER
BOILING POINT	N/A
VAPOR PRESSURE/DENSITY	N/A
SOLUBILITY IN WATER	N/A
SPECIFIC GRAVITY (H20-1)	8
PERCENT VOLATILE BY VOLUME	N/A
EVAPORATION RATE	N/A
MELTING POINT	2500 F

FIRE AND EXPLOSION HAZARD:

FLASH POINT	N/A	UNUSUAL FIRE & EXPLOSION HAZARDS	N/A
EXTINGUISHING MEDIA	N/A	FLAMMABLE LIMITS	N/A
SPECIAL FIRE FIGHTING PROCEDURES	N/A		

HEALTH HAZARD DATA:

INHALATION/SKIN CONTACT

IN ITS SOLID FORM, NO TOXIC EFFECTS SHOULD BE EXPECTED. PROLONGED EXPOSURE TO FUMES OR DUST GENERATED DURING HEATING, CUTTING, WELDING, OR MELTING MAY CAUSE RESPIRATORY OR OTHER ADVERSE HEALTH EFFECTS.

