

JESSOP STEEL COMPANY — WASHINGTON, PENNSYLVANIA 15301

MATERIAL SAFETY DATA SHEET

File / Material

Date: September 1, 1989

Supersedes MSDS Dated: 2/3/86

SECTION I

MANUFACTURER'S NAME JESSOP STEEL COMPANY	EMERGENCY TELEPHONE NO. (412) 222-4000
ADDRESS (NUMBER, STREET, CITY, STATE & ZIP CODE) 500 Green Street, Washington, Pennsylvania 15301	
PRODUCT NAME Stainless Steels	CHEMICAL FAMILY Steel
GRADES Austenitic, Ferritic, Martensitic, Duplex and Precipitation Hardening	
Stainless Steels.	

SECTION II - CHEMICAL COMPONENTS

	C.A.S. NUMBER	RANGE %	ACGIH TLV	OSHA PEL
Iron (limits for iron oxide fumes)	1309-37-1	40-89	5 mg/m ³	10 mg/m ³
Nickel	7440-02-0	0-37	1 mg/m ³	1 mg/m ³
Chromium	7440-47-3	10-27	0.5 mg/m ³	1 mg/m ³
Manganese (limits for dust)	7439-96-5	0-16	5 mg/m ³	5 mg/m ³
(limits for fume)			1 mg/m ³	1 mg/m ³
Molybdenum (limits for dust)	7439-98-7	0-5	10 mc/m ³	10 mc/m ³
Copper (limits for fume)	7440-50-8	0-5	0.2 mc/m ³	0.1 mc/m ³
Silicon (limits for dust)	7440-21-3	0-3	10 mg/m ³	10 mg/m ³
Tungsten	7440-33-7	0-2	5 mg/m ³	5 mg/m ³
Aluminum (limits for dust)	7429-90-5	0-2	10 mc/m ³	15 mc/m ³
(limits for welding fumes)			5 mg/m ³	5 mg/m ³

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	N/A	SPECIFIC GRAVITY (H ₂ O = 1)	8
VAPOR PRESSURE (MM HG.)	N/A	PERCENT VOLATILE BY VOLUME (%)	N/A
VAPOR DENSITY (AIR = 1)	N/A	EVAPORATION RATE (_____ = 1)	N/A
SOLUBILITY IN WATER	N/A	MELTING POINT	2600-2800F
APPEARANCE & ODOR	Metallic and odorless solid		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED)	N/A	FLAMMABLE LIMITS	N/A	LEL	UEL
EXTINGUISHING MEDIA	N/A				
SPECIAL FIRE FIGHTING PROCEDURES	N/A				
Unusual Fire Explosion Hazards	N/A				
National Fire Protection Association Rating (NFPA)					
Health:	2	Flammability:	0	Reactivity:	0