

MATERIAL SAFETY DATA SHEET

MANUFACTURER'S NAME

THE WELDON TOOL CO.
3000 WOODHILL ROAD
CLEVELAND, OHIO 44104

I PRODUCT IDENTIFICATION

TRADE NAME TOOL STEELS - VARIOUS (Used in Weldon Products)

SPECIFICATION DATE NOVEMBER 1985

II HAZARDOUS INGREDIENTS

MATERIAL OR COMPONENT	CAS NO.		OSHA PEL (Mg/M ³)	ACGIH TLV (Mg/M ³)
Chromium	7440-47-3		1.0	.5
Vanadium	1314-62-1	(Dust)	.5*	.05
		(Fume)	.1*	.05
Molybdenum	7439-98-7		15.0	10.0
Iron	1309-37-1		10.0	5.0
Nickel**	7440-02-0		1.0	1.0
Cobalt	7440-48-4		.1	(.1)
Manganese	7439-96-5	(Dust)	5.0*	5.0*
		(Fume)	-	1.0
Silicon	7440-21-2	(Dust)	-	5.0
Tungsten	7440-33-7		-	5.0
Lead (IN TOOL HOLDERS ONLY)	7439-92-1		.05	.15

*Maximum Limit **Residual .5% Maximum

III PHYSICAL DATA

BOILING POINT:	<5000°F	MELTING POINT:	2500°F (Approximate)
SPECIFIC GRAVITY:	7.8-8.2 (60°F)	VAPOR PRESSURE:	N/A
VAPOR DENSITY:	N/A	SOLUBILITY IN H ₂ O:	Insoluble
% VOLATILES BY VOLUME:	N/A	EVAPORATION:	N/A
APPEARANCE AND ODOR:	Various Shapes, Odorless Metal		

IV FIRE AND EXPLOSION DATA

FLASH POINT: None FIRE POINT: None

V HEALTH HAZARD INFORMATION

WE DO NOT CONSIDER THIS PRODUCT, IN THE FORM THAT IT IS SOLD, TO CONSTITUTE A HEALTH HAZARD. ABRADING, MELTING, WELDING, CUTTING OR ANY OTHER FORM OF PROCESSING WHICH CAUSES A RELEASE OF DUST OR FUME MAY CAUSE SOME INGREDIENTS TO CHANGE TO A FORM WHICH COULD AFFECT EXPOSED WORKERS.

PRIMARY ROUTES OF ENTRY: Inhalation EMERGENCY FIRST AID: Remove to fresh air, consult physician if symptoms persist.
 Eye Contact - - - - - Flush with water, see physician.
 Skin Contact - - - - - Wash with soap and water.
 Ingestion - - - - - Seek medical attention if large quantity has been ingested.