

COMPANY INFORMATION

COMPANY NAME: ORTHO SPECIALTIES
COMPANY ADDRESS: 3820 OHIO AVE - SUITE 15
 ST. CHARLES, IL 60174
COMPANY PHONE: 630-443-0225
COMPANY FAX: 630-443-0224
COMPANY WEB ADDRESS: www.orthospecialties.com

STAINLESS STEEL FLATBOW RETAINER WIRE

DOCUMENT NUMBER:	SDS75
REVISION DATE:	09/26/2014
REVISION:	REV. E
NUMBER OF PAGES:	2

SECTION I: PRODUCT IDENTIFICATION

1.1 Product Identifier: Flatbow Retainer Wire

Stainless Steel: All Grades

DOT Hazardous Material Proper Shipping Name: N/A
 DOT Hazard Class: N/A
 DOT Identification No.: N/A
 Chemical Family: STEEL
 EPA Hazardous Waste No.: N/A

SECTION II: HAZARDOUS COMPONENTS

This section covers the material in the product as shipped and is applicable to mechanical cutting and grinding. The fumes and gases produced during welding are covered in Section VI.

Ingredient	%	C.A.S. Number	PEL*	TLV*
Iron (Fe)	60-87	7439-89-6	None	None
Chromium Cr	11-27	7440-47-3	1	0.5
Nickel (Ni)	0-35	7440-02-0	1	1
Molybdenum (Mo)	0-4	7439-98-7	15	10
Manganese (Mn)	0-2	7439-96-5	C5*	C5
Copper (Cu)	0-4	7440-50-8	1	1
Silicon (Si)	0-5	7440-21-3	None	10
Columbium (Cb)	0-1	7440-03-1	None	None
Tantalum (Ta)	0-1	7440-25-7	None	5

*PEL-Permissible Exposure Limit - (mg/m3) - OSHA (29CFR 1910)

*TLV-Threshold Limit Value - (mg/m3) - ACGIH

*C-Denotes Ceiling Level

SECTION III: PHYSICAL DATA

Boiling Point: N/A
 Vapor Pressure: N/A
 Vapor Density: N/A
 Solubility In Water: N/A
 Specific Gravity: N/A
 %Volatile By Volume: N/A
 Evaporation Rate: N/A
 pH: N/A

Products are solid metal shaped as bar, rod, or wire.

COMPANY INFORMATION

COMPANY NAME: ORTHO SPECIALTIES
COMPANY ADDRESS: 3820 OHIO AVE - SUITE 15
ST. CHARLES, IL 60174
COMPANY PHONE: 630-443-0225
COMPANY FAX: 630-443-0224
COMPANY WEB ADDRESS: www.orthospecialties.com

STAINLESS STEEL FLATBOW RETAINER WIRE

DOCUMENT NUMBER:	SDS75
REVISION DATE:	09/26/2014
REVISION:	REV. E
NUMBER OF PAGES:	2

SECTION IV: FIRE AND EXPLOSIVE DATA

Products are nonflammable: However welding arcs and sparks can ignite flammable liquids and vapors and combustible solids.

SECTION V: HEALTH HAZARD INFORMATION

No toxic effects would be expected under normal usage. Prolonged, repeated exposure to fumes and gases generated during heating, brazing, cutting, or welding may have adverse effects as follows:

Short Term: Metallic taste; nausea; Tightness of chest; Fever; Irritation of eyes, nose, throat and skin; Los of consciousness/death due to welding gases or lack of oxygen.

Long Term: These effects may include skin sensitization neurological damage, and respiratory disease such as bronchial asthma, lung fibrosis, or pneumoconiosis. Nickel and chromium must be considered possible carcinogens under OSHA (29CFR 1910.1200).

Emergency and First Aid: Remove individual to fresh air. If victim is unconscious, administer oxygen. If breathing has stopped, give artificial respiration. Get medical attention immediately.

SECTION VI: REACTIVITY INFORMATION

The variable composition of welding fumes and gases cannot be classified simply. The composition and quantity of both are dependent on the alloy being welded and the process and electrodes used. The constituents of the fumes are generally different from the ingredients listed in Section II and may include oxides of the metals, chromates, fluorides, and complex metallics. The gases may include carbon Monoxide, ozone and oxides of nitrogen.

THE TLV FOR WELDING FUMES NOC (NOT OTHERWISE CLASSIFIED) IS 5Mg/m³

SECTION VII: SPILL OR LEAK PROCEDURES

Vacuum or sweep residue from cutting, grinding, or welding operations into suitable container. Dispose of in accordance with Local, State, and Federal regulations.

SECTION VIII: PERSONAL PROTECTION INFORMATION

Respiratory protection is necessary when exposure limits are exceeded during cutting, grinding, and welding. Use a properly fitted NIOSH approved respirator in accordance with OSHA 29CFR1910.134.

Eye Protection and protective clothing is required when cutting, grinding, or welding. Wear gloves, face protection, and flame retardant clothing. Do not expose skin.

SECTION IX: SPECIAL PRECAUTIONS

Use local exhaust when cutting, grinding, or welding. Maintain exposures below PEL/TLV.