

### COMPANY INFORMATION

**COMPANY NAME:** ORTHO SPECIALTIES  
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<b>ORTHO FLEXTech (KARAT GOLD SOLDER FILLED WIRE)</b>	
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### 1 – PRODUCT IDENTIFICATION

**PRODUCT NAME:** ORTHO FLEXTech (KARAT GOLD SOLDER FILLED WIRE)

### 2 – INGREDIENTS AND HAZARDS

INGREDIENTS	%	CAS #	PEL #	TLV #
(a) Gold	58.33	7440-57-5	N/A	N/A
(b) Silver	1-5	7440-22-4	.01 MG/M <sup>3</sup>	.01 MG/M <sup>3</sup>
(c) Copper	20-40	7440-50-8	.1 MG/M <sup>3</sup>	0.2 MG/M <sup>3</sup>
(d) Nickel	0.5 - 5.7	7440-02-0	1.0 MG/M <sup>3</sup>	1.5 MG/M <sup>3</sup>
(e) Zinc	1-5	7440-66-6	5 MG/M <sup>3</sup>	5 MG/M <sup>3</sup> as ZnO
(f) Gallium	<3	7440-55-3	.1 MG/M <sup>3</sup>	.1 MG/M <sup>3</sup>
(g) Indium	<3	7440-74-6	N/A	N/A

### 3 – PHYSICAL DATA

**Appearance:** Various shapes and sizes  
**Physical State:** Solid.

### 4 – FIRE AND EXPLOSION HAZARD DATA

**FIRE:** Use dry sand or a powder extinguisher

### 5 – REACTIVITY DATA

**Stable:** Material is stable under normal conditions.  
**Conditions to Avoid:** Overheating  
**Hazardous Decomposition:** Heating this product may cause the generation of fumes.

### 6 – HEALTH HAZARD DATA

Nickel is a suspected carcinogenic to humans. Precious metal products in their usual physical form do not pose any health hazards. However, when subjected to extreme temperatures, grinding or similar operations, potentially hazardous fumes or dust may be emitted. May cause metal fume fever. Effects include dry throat, metallic taste, chest pain, dyspnea, rashes and dry cough. Several hours later, chills may occur with lassitude, malaise, fatigue, headache, back pain, muscle cramps, blurred vision, nausea, fever, perspiration, vomiting and leukocytosis.

### 7 – HEALTH HAZARD DATA

**Steps in Case of Spill or Leak:** Notify safety personnel of spills. Should product be heated during clean up, personnel should wear protection for fumes.  
**Disposal:** MAY HAVE RECLAIM VALUE! Dispose of any unsalvageable material in accordance with federal, state and local regulations.

### 8 – CONTROL MEASURES

**Ventilation & Respiratory Protection:** Ventilation should be sufficient to maintain exposure levels below the applicable exposure limits. Approved respirator protection is required when heating, grinding and for other operations where dust and/or fume exposure may occur.

**Other Protective Equipment:** When engineering controls are not sufficient to lower exposure levels below the applicable exposure limits, use an approved respirator when dust and / or exposure may occur.

This information and data are taken from sources believed to be reliable and correct but cannot be warranted by manufacturer. User is responsible to determine suitability of material for a specific application.