

MATERIAL SAFETY DATA SHEET

2/27/2013
Revision – 4

Ortho FlexTech

1. PRODUCT IDENTIFICATION

PRODUCT NAME: Ortho FlexTech (Karat Gold Solder Filled Wire)

Supplier: Reliance Orthodontic Products, Inc.
1540 West Thorndale Ave. · Itasca, IL 60143, U.S.A.
Emergency Telephone Phone: 630-773-4009 · Fax: 630-250-7704

Authorized Representative: Emergo Europe, Molenstraatt, 15, 2513 BH The Hague,
The Netherlands
Phone: +31-70-345-8570 · Fax: +31-70-346-7299

CE Administrator: Amtac Certification Services Ltd., Davey Avenue, Knowlhill, Milton
Keynes, MK5 8NL, United Kingdom

OTHER DESIGNATIONS:

B1405 – 14 Karat #300 White Solder Filled Wire with 7% 14 Karat #301 Solder

2. INGREDIENTS AND HAZARDS

<u>INGREDIENTS</u>	<u>%</u>	<u>CAS #</u>	<u>PEL #</u>	<u>TLV #</u>
(a) Gold	58.33	7440-57-5	N/A	N/A
(b) Silver	1-5	7440-22-4	.01 mg/m ³	.01 mg/m ³
(c) Copper	20-40	7440-50-8	.1 mg/m ³	0.2 mg/m ³
(d) Nickel	0.5 – 5.7	7440-02-0	1.0 mg/m ³	1.5 mg/m ³
(e) Zinc	1-5	7440-66-6	5 mg/m ³	5 mg/m ³ as ZnO
(f) Gallium	<3	7440-55-3	.1 mg/m ³	.1 mg/m ³
(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. PRECAUTIONS FOR SAFE HANDLING AND USE

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 RECLAM 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.

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