



Safety Data Sheet

MATERIAL SPECIFICATIONS AND DATA SHEETS

1. Material- / preparation- / company designation

Product name: 0-952-8310 Dead soft Lingual retainer wire (Ni free)

Manufacturer: DynaFlex

8050 Hawk Ridge Trail, Lake St. Louis, MO 63367

Material: CP Ti Gr1HP

2. Ingredients/ descriptions

Chemical characteristics:

Cobalt (Co) (%) < 0.0010

Iron (Fe) (%) 0.0700

Other Single Trace (%) < 0.1000

Total Trace Elements (%) < 0.4000

Carbon (C) (%) 0.0200

Hydrogen (H) (%) - 0.0010

Nitrogen (N) (%) - 0.0030

Oxygen (O) (%) - 0.0370

Grain Size (ea) - 9.5

Balance- Titanium

Ultrasonic Tested-Yes

3. Possible hazards for human and environment

- No risks if properly stored and handled.
- Titanium alloys are generally not considered hazardous in the form shipped (solid bars, billets wire...) however, if your process involves grinding, melting, welding, cutting or any other process that causes a release of dust or fume, hazardous levels of dust or fume of the constituents of these alloys could be generated.

4. First Aid Action

Primary Routes of Entry:	Emergency First Aid:
Inhalation	Remove to fresh air, if condition continues, consult



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		physician	
	Eye contact	Flush well with running water to remove Particulates and get medical attention	
	Skin contact	Wash area well with mild detergent and water.	
	Ingestion	While ingestion of large enough quantities to cause health effects is unlikely, consult a physician if it occurs	
5. Firefighting actions Unsuitable Extinguishing Media: NA Particular Hazards: Material dust or fumes will be released while grinding, cutting, welding or melting and there will be change in mechanical properties if there is excess bending of material			
6. Not Intended Pollution action Proceeds of cleaning: NA			
7. Storage and handling 7.1 Handling: - Excessive force and/or repeated bending of retainer wire can lead to breakage. - When gripping and/or holding retainer wire, only use instruments without sharp edges or serrated surface. Scratches and scuffing of the wire caused by such instruments can lead to the wire breakage during treatment 7.2 Storage: Keep in a dry and clean area.			
8. General Safety and hygienic action Wash hands after handling product to avoid residue accumulation.			



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9. Physical and Chemical Characteristics

9.1 General Information:

9.1.1 Physical State (solid, liquid, gas): Solid

9.1.2 Color: Silver

9.1.3 Odor: odorless

9.2 Important health, safety and environmental information

9.2.1 Melting Point/Range: Max 1670 °C

9.2.2 Boiling Point: High

9.2.3 Flash Point: None

9.2.4 Explosive Properties: NA

10. Stability and reactivity

Dangerous reactions: None, if used and stored correctly.

11. Statement to toxicology

11.1 Oral Toxicity: None

11.2 Inhalation: None

11.3 Skin Irritation: Material not considered a primary irritant or skin sensitizer

11.4 Sensitization: Same as above

12. Statement to ecology

- No harming effects known

13. Advice for disposal

Storable and disposable with domestic waste according to local regulations.

14. Statement to transport

Not considered dangerous good for transport regulations.