

# SAFETY DATA SHEET

---

---

## 1 COMPOSITION / PREPARATION AND ENTERPRISE

---

---

- 1.1 Identity : **Titanium alloy grade 5 ELI**  
Titanium alloy grade 23  
Ti-6Al-4V ELI
- 1.2 Company : DYNA DENTAL ENGINEERING BV  
P.O. Box 70  
4600 AB Bergen op Zoom  
The Netherlands
- 1.3 Information Telephone: +31 (0)164 258980

---

---

## 2 COMPOSITION / INFORMATION OF THE INGREDIENTS

---

---

Chemical composition:	C:	max 0.07%
	N:	max 0.05%
	Fe:	max 0.25%
	Al:	5.5-6-5%
	V:	3.5-4.5 %
	O:	max 0.13%
	S:	max 0.010%
	H:	max 0.012%
	Ti:	BALANCE

ELI = Extra Low Interstitial

---

---

## 3 POSSIBLE HEALTH HAZARDS

---

---

- 3.1 Direct contact: None
- 3.2 MAK-value: N/A
- 3.3 Carcino-genicity: None

---

---

## 4 FIRST AID PROCEDURE

---

---

- Inhalation: Not possible
- Skin contact: None
-

# SAFETY DATA SHEET

Ingestion: If swallowed, consult a doctor

---

---

## 5 FIRE AND EXPLOSION HAZARD DATA

---

---

Material is non-combustible

---

---

## 6 MEASURES IN CASE OF ACCIDENTAL RELEASE

---

---

None

---

---

## 7 HANDLING AND STORAGE

---

---

7.1 Handling: No protective measures required in condition as delivered.

7.2 Storage: No protective measures required in condition as delivered

7.3 Fire and explosion protection: N/A

---

---

## 8 EXPOSURE / PERSONAL PROTECTION

---

---

None

---

---

## 9 PHYSICAL AND CHEMICAL CHARACTERISTICS

---

---

9.1 Appearance/Colour: Solid/Metallic

9.2 Odour: Odourless

9.3 pH-value: N/E

9.4 Flash point: N/A

9.5 Explosion hazard: N/A

9.6 Solubility in water: Insoluble

---

---

## 10 STABILITY AND REACTIVITY DATA

---

---

10.1 Stability: No decomposition takes place if used as prescribed.

10.2 Hazardous reactions: Read manual for further instructions.

10.3 Hazardous decomposition products: No hazardous decomposition products are known.

# SAFETY DATA SHEET

---

---

## 11 INFORMATION ON TOXICITY

---

---

11.1 Ingestion: Caustic damage to the digestive system

11.2 Inhalation: No toxic risks

11.3 Skin contact: None

---

---

## 12 INFORMATION ON ECOLOGICAL EFFECTS

---

---

No particular measures required

---

---

## 13 INSTRUCTIONS FOR DISPOSAL

---

---

Observe regulations

---

---

## 14 TRANSPORT

---

---

14.1 Land transport: Non hazardous goods

14.2 Air transport: Non hazardous goods

14.3 Offshore water: Non hazardous goods

---

---

## 15 REGULATIONS

---

---

15.1 Risk symbol(s): N/A

15.2 R-phrases: N/A

15.3 S-phrases: N/A

---

---

## 16 FURTHER INFORMATION

---

---

Hardness	± 30/34 Rc
Yield strength	± 0.2% (ksi)
U.T.S.	± min.860(ksi)
Elongation	± min.10%
Density	± 0.160lb/cu Inch
Specific heat	± 0.125 Btu/lb/°F

Abbreviations: N/E: Not Established; N/A: Not Applicable.