SAFETY DATA SHEET

1 COMPOSITION / PREPARATION AND ENTERPRISE

1.1 Identity : **DYNA Magnets**

Chemical composition:
- DYNA NS Magnet: Samarium-Cobalt alloy
- DYNA NSS Magnet: Neodymium-Iron-Boron alloy
- DYNA ES Magnet: Neodymium-Iron-Boron alloy
- DYNA WR Magnet: Neodymium-Iron-Boron alloy

All cased in stainless steel 316 L

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

Case material:

Iron:	around 65%
Chrome:	16½-18½%
Nickel:	10½-13½%
Other:	less than 3%

NS Magnet(CoSm):

Cobalt:	approx. 65%
Rare earth e.g. Samarium:	approx. 35%

WR and NSS and ES Magnet(NdFeB):

Iron:	70%
Neodymium	26%
Boron	1%
Dysprosium, Cobalt and Niobium	3%

WR Magnet Coating:

Coating:	Zn
Passivity:	Cr, ZnS_4 and $Zn(NO_3)_2$
Colour:	Gold / Yellow

SAFETY DATA SHEET

3 POSSIBLE HEALTH HAZARDS

3.1 Direct contact: N/A

3.2 MAK-value: N/A

3.3 Carcinogenicity: N/E

4 FIRST AID PROCEDURE

Inhalation: not possible

Skin contact: N/A

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

N/A

9 PHYSICAL AND CHEMICAL CHARACTERISTICS

9.1 Appearance/Colour: Metallic

9.2	Odour:	Odourless
9.3	pH-value:	N/E
9.4	Melting point:	approx. 1180^{o}C
9.5	Flash point:	N/A
9.6	Explosion hazard:	N/A
9.7	Solubility in water:	Insoluble

10 STABILITY AND REACTIVITY DATA

10.1 Stability: No decomposition takes place if used as prescribed

10.2 Hazardous reactions: If case is damaged hydrogen is released in contact with acid, resulting in the possible production of explosive gas mixtures

10.3 Hazardous decomposition products: No hazardous decomposition products are known

11 INFORMATION ON TOXICITY

11.1 Ingestion: Caustic damage to the digestive system

11.2 Inhalation: No toxic risks

11.3 Skin contact: Repeated and prolonged skin contact with metallic nickel can lead to sensitisation and allergies

12 INFORMATION ON ECOLOGICAL EFFECTS

No particular measures required

13 INSTRUCTIONS FOR DISPOSAL

Observe official regulations

SAFETY DATA SHEET

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

R-phrases: R43 Possibility of sensitisation through contact with skin
S-phrases: N/A

16 OTHER INFORMATION

Use the product according to the Dyna System Manual.
For copy manual please contact Dyna Dental Engineering BV.

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