CERAMIC DENTAL BRACKETS

SAFETY DATA SHEET

2FX Series Stainless Steel SL Brackets

SECTION 1: IDENTIFICATION

Product name: 2FX SERIES STAINLESS BRACKETS WITH NICKEL TITANIUM CLIP

Company: CDB Corporation
2304 Mercantile Dr.LELAND, NC 28451

Tel.: (910) 383 – 6464 / Fax.: (910) 383-6465

Product Information: Tel.: (910) 383 – 6464 / CDB Corporation

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SECTION 2: HAZARD(S) IDENTIFICATION

Product tested for bio-compatibility with results concluding negative toxicological reaction. Although Nitinol alloys do not constitute a physical or health hazard in the form sold, subsequent operations such as abrading, melting, welding, cutting or processing in any other fashion may produce potentially hazardous dust or fumes which can be inhaled, swallowed, or come into contact with skin or eyes.

Possible Cancer Hazard - According to OSHA, nickel is treated as a potential carcinogen for hazard communication purposes because it is included in the NTP and IARC lists of potential human carcinogens. Some scientific studies have found an excess incidence of cancer of the respiratory tract among workers involved in certain steps of certain nickel refining processes. However, several reliable studies of workers exposed to various forms of nickel and its compounds have not shown any increased risk of cancer.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

BRACKET: SS Aisi 17-4PH

Ingredient(s)	CAS No.	EC No.	Wt. % Content (or Range)
Iron	7439-89-6	N/A	Balance
Nickel	7440-02-0	231-111-4	0-5
Chromium	7440-47-3	N/A	0-18
Silicon	7440-21-3	N/A	0-1
Manganese	7439-96-5	N/A	0-2
Molybdenum	7439-98-7	N/A	0-3
Copper	7440-50-8	N/A	0-5
Niobium	7440-03-1	231-113-5	0-.45
Carbon	7440-44-0	231-153-3	0-0.07

CLIP

Ingredient(s)	CAS No.	EC No.	Wt. % Content (or Range)
Nickel	7440-02-0	231-111-4	0-55
Titanium	7440-32-6	N/A	Balance

Other trace elements may also be present in minute amounts. These small quantities (less than0.1%) are frequently referred to as “trace” or “residual” elements; generally they originate in theraw material used.

SECTION 4: FIRST-AID MEASURES

Ingestion:	Do NOT induce vomiting. Call a physician or poison control center.
Skin Contact:	Wash skin with soap and water. In the case of skin irritation or allergic reaction, seek medical attention.
Eye Contact:	Rinse thoroughly with clean water. Seek medical attention if symptoms develop.
Inhalation:	Move to fresh air: If breathing is difficult, give oxygen. If not breathing, give CPR. Consult a physician.

SECTION 5: FIRE-FIGHTING MEASURES

Flash Point (Method Used):	Solid metal is non-flammable.
Extinguishing Media:	Class D extinguishing agents on fines, dust or molten metal. Use coarse water spray on chips and fines.
Fire and Explosion Hazard:	Not normally flammable. Fine powder or dust may ignite at high temperatures.
Special FireFighting Procedures:	Use self-contained breathing equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

No notable environmental hazard is anticipated from the "release" of this material in bulk solid form on land. This material should be recovered from aquatic environments.

SECTION 7: HANDLING AND STORAGE

Handling:	Steps in Case of Spill or Leak - Notify safety personnel of spills. Clean-up personnel needprotection against inhalation of dust or fumes. Pick up material using vacuum. Keep dust at a minimum.

*Incompatible Products:*May react in contact with strong acids to release gaseous acid decomposition products.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemicals are not readily available as they are bound within the alloy.Occupational exposure limits apply to some components resulting from grinding, polishing,abrasive blasting, hot rolling, hot forging, thermal cutting, or welding which may producestainless steel dust or fumes.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid metal.
Color:	Varies from dull to very light grey, toshiny metallic light grey or bright mirrorfinish

SECTION 10: STABILITY AND REACTIVITY

Conditions to avoid:	Overheating during brazing, soldering, and melting.
Stable:	Yes under recommended storage conditions.
Hazard Polymerization:	Will NOT occur.
Incompatible Materials:	May react in contact with strong acids to release gaseous acid decomposition products, e.g. hydrogen, oxides of nitrogen. Use of strong oxidizers (high pH) on stainless steel may cause Cr(VI) compounds to form at ambient temperatures. Decomposition: Fumes generated during welding, brazing, or thermal cutting may contain: chromium compounds, including hexavalent chromium Cr(VI); nickel; manganese; iron; molybdenum; and silicon compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

In its solid form stainless steel does not present an inhalation, absorption, or ingestion hazard.Grinding, polishing, abrasive blasting, hot rolling, hot forging, thermal cutting, or welding mayproduce stainless steel dust or fumes containing complex or mixed oxides of its components. Metaldust particles may cause eye, skin and/or respiratory system irritation. The below information is forthese instances.

SECTION 12: ECOLOGICAL INFORMATION

No ecological effects are known.

SECTION 13: DISPOSAL CONSIDERATIONS

The generator of waste material has the responsibility for proper waste classification,transportation and disposal with accordance applicable federal, state/provincial and localregulations.

SECTION 14: TRANSPORT INFORMATION

Not dangerous according to current transportation regulations.

SECTION 15: REGULATORY INFORMATION

International Inventories

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory: Complies

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List: Complies

US Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1976 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical	CAS No.	Weight %	SARA 313 – Threshhold Values %
Nickel	7440-02-0	37	0.0
Chromium	7440-47-3	26	1.0
Manganese	7439-96-5	2	1.0

SECTION 16: OTHER INFORMATION

Issue Date: 05.19.2016