

Material safety date sheet

Material composition :

Stainless steel ---0Cr17Ni4Cu4Nb

Identity of the product:

Product identifier: Metal Brackets, Buccal Tubes , Crimp Stoppers , Crimp hooks , lingual buttons, distallizers ,button chain silver, Metal Self-ligating Brackets, Direct Bond Traction Hook, Power hooks, Torque Spring

Section 1

Distributor's name :

Hangzhou Headway medical equipment co., Ltd

Emergency Telephone Number: 13806518751

Address:

No. 1859 Wenju Street, Fuchun Street Fuyang District Hangzhou,Zhejiang, China 31140.

Information Tel no. : 13806518751

Last update: Nov. 4th, 2019

Section 2

Hazardous ingredients/Identity information:

Ingredients that are considered hazardous are:

Ingredient	Wt. Percent	NTP listed	JARC listed
C	≤0.07	No	No
Mn	≤1.00	No	No
Si	≤1.00	No	No
P	≤0.035	No	No
S	≤0.030	Yes	Yes
Cr	15.50~17.50	No	No
Ni	3.00~5.00	No	No
Cu	3.00~5.00		
Nb	0.15~0.45		

The above list is a summary of elements in stainless steel (**0Cr17Ni4Cu4Nb**) . Various grades of stainless steel will contain different combinations of these elements. Trace elements may also be present in minute amounts.

Coatings; Certain materials such a lime, alkaline salts, oils , and certain residuals (<1% total weight of product) may remain on the product surface.

Notes:

1> National Toxicology Program

Section 3

Physical /Chemical Characteristics:

Boiling Point Spec.Grav.

Deg. C : High (H2O=)4.5-18

Vapor Press (mm Hg) Melting Point

(mm HG) : Nil (Butyl Acetate=1) :NA

Solubility in water: Insoluble

Appearance and Odor:

Solid, Odorless , metal

Section 4

Fire and Explosion Hazard Data

Flash point (method used) Flammable limits LEL UEL

Nonflammable

Extinguishing Media: N/A

Special fire fighting procedures: N/A

Unusual fire and explosion hazards: N/A

Section 5

Reactivity Data:

Stability : stable

Conditions to avoid: None

Incompatibilities (materials to avoid) : None

Hazardous decomposition or byproducts: None

Hazardous Polymerization: will not occur

Section 6

Health Hazard Data:

Stainless steel (1 Cr 18 Ni 9 Ti) are generally not considered hazardous in the form shipped . However, when ground, mealtd ,welded, or cut they may cause a release of dust of fumes. Hazardous levels of dust and fumes of these stainless steel consituents may be generated. Following is alist of potential health affects for all of these specific elements contained in this partidular stainless steel.

Health Effects:

Emercy and first aid procedures:

Inhalation: Move the person to fresh air until recovered, consult a physician .

Ingestion: Health effects are unlikierly. If any should occur, consult a physician.

Skin contact : Excessive of prolonged skin contact may cause irritation in sendsitized persons.

Wash with water and mild detergent. Consult a physician.

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Section 7

Precautions for safe handling and use

Steps to be taken in case material is released or spilled :

Product is a solid metal when shipped , therefore, not necessary.

Waste disposal method:

Dispose of in accordance with EPA and Local regulations.

Precautions to be taken in handling and storage: N/A

Other Precautions: Standard safety practices.

Section 8

Respiratory protection (specify type)

Ventilation: General

Protective Gloves: Required when cutting, grinding, or welding

Eye Protection: Required when cutting ,grinding , or welding

Other protective clothing or equipment: Safety glasses, respirator, and gloves required when cutting , grinding , or welding .

Work/Hygienic Practices: Follow standard safety practices

The information contained in this MSDS is believed to be valid and accurate. Hangzhou Headway Medical Equipment Co., Ltd , however, makes no warranty , either expressed or implied, as to the completeness of information in all possible conditions.

REASONABLE SAFETY PRECAUTIONS SHOULD ALWAYS BE PRACTICED.