



Safety Data Sheet

04-13-0002 V5.00

Copyright,2016, IOS Company.

All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing IOS products is allowed provided that:

- 1- the information is copied in full with no changes unless prior written agreement is obtained from IOS
- 2- neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

Issue Date: 10-15-2016

Version Data 5.00

Product Description

Copper Nickel Titanium Arch wires

REF NUMBER

Restrictions to use:

For use only by dental professionals.

Manufacturer : International Orthodontic Services
Address : 12811 Capricorn St. Stafford, TX 77477 USA
Phone No, : 1888-IOS-8882 (1888-461-8882)
Emergency Phone No, : +1 832 342 9487

DISCLAIMER: The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. IOS MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the IOS product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a IOS product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the IOS product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

Hazards identification

GHS classification

Health Hazards	Respiratory sensitization	Category 1
	Skin sensitization	Category 1
	Carcinogenicity	Category 2
	Reproductive toxicity	Category 1B
	Specific Target Organ Systemic Toxicity	Category 1,3 (Respiratory organ)
	Specific Target Organ Systemic Toxicity	Category 1 (Respiratory organ)
	Specific Target Organ Systemic Toxicity	Category 2 (Central nervous system)
Environment Hazards	Hazards to the aquatic	Category 4
	Guidance / Appendix	Environment(Chronicity)

Label element



Pictogram or symbol

Signal word

Danger

Hazard statement

Nonflammable solid.
 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 May cause an allergic skin reaction.
 May cause cancer.
 Causes damage to organs (central nervous system).
 Trouble of respiratory O1-gan and kidney.
 Causes damage to organs (respiratory organs) through prolonged or repeated exposure.
 Causes damage to organs (central nervous system) through prolonged or repeated exposure.
 It is aquatic life fear of harmful according to a long-term influence.

Composition/Information on ingredients

Chemical Materials

Signal or Compound

Compound

Chemical name

Nickel-Titanium -Copper-Chromium.Alloy

Composition

Ni 47.8 to50.3wt%

Cu 5.5 to6.5wt%

Cr Max 0.4%

Ti Bal

CAN.No

NA

First Aid

Inhalation

When you inhale much dust, immediately move to a place that has fresh air, take the rest, warm yourself, and seek medical help.

Stained on skin

In case of light burn, immediately rinse with sufficient water and cool the affected part. In case of heavy injury, seek medical help immediately.

In case of eye contact

When dust get into your eyes, wash it away with clean water for 16 minute at shortest. And seek medical help.

Ingestion

If you swallow much dust, vomit it out, and seek medical help.

Fire fighting procedure

The way to extinguish Nonflammable material.

The material to

Extinguish Especially, there is no restriction.

Accidental release measures

Methods for cleaning up No special attention needed.
Adverse human health effects Do enough ventilation when a minute powder is generated voluminously.
Environmental Wear proper equipment and avoid contact with skin and inhalation of dust.
 Not admitted

Handling and Storage

Handling Do not touch the product with your bare hands because you may be wounded with the edge of the product.

Storage It is noted not to wet to rain.
 So as not to come in contact with a chemical material and the atmosphere such as acids and strong oxidants, it keeps.

Exposure controls /Personal

protection Control density

Object material	Japan Industrial	ACGIH	OSHA
Nickel	(In case of) respiration	(In case of) respiration 1.5mg/m ³	On case of) respiration 1mg/m ³
Copper	-	Fume 0.2 mg/m ³ Dust 1 mg/m ³	0.1 mg/m ³
Chromium	0.5mg/m ³	0.5mg/m ³	1mg/m ³
Titanium	Not ruled	Not ruled	Not ruled

Equipment measures Normally unnecessary, If fume and dust generates and concentration must be controlled within above regulation level.
 It is recommended to take control equipment such as section air ventilation machine.

Protection tool

The protection tool for breath Wear the protection mask when the powder is generated.

The protection Grasses Wear the safety grasses when the powder is generated.

The protection gloves In case of possibility of damaging your fingers, you must wear protect gloves.

Physical and Chemical properties

Shape	solid
Appearance	silver white
Melting Point	1240° -1310° C
Specific Gravity	6.4 - 6.5 g/cm ³
Volume Resistivity	0.5 -1.1 μΩm

Stability and Reactivity

Conditions/ Material to avoid	Reaction with acid generates hydrogen gases.
--------------------------------------	--

Toxicological Information

Refer to clause 2.

Ecological Information

Refer to clause 2.

Disposal Consideration

Disposal must be in accordance with applicable federal, state provincial and local laws and regulations.

Transport Information

Cover the product with water resist and sheet and prevent from rains. Should not drop, fall, or become loose unstabilized inside packing.

Regulatory Information

None

Other Information

None

This product safety information sheet is provided in purpose of referring the information for securing safety for parties and agent who will be handling the hazardous or toxic chemical product.

Those organizations must have complete understandings of this purpose and shall take proper measures to meet specific circumstances under each own responsibility.

This safety information sheet, therefore, is not our Guarantee of the safety of our product.

