Stainless Steel Wire

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 4/28/2016 Version: 6

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Stainless Steel, All Grades

Product name : (Kobayashi Tie Hooks, Stainess Steel Ortho FlexTech, TnT Archwires, Bond A Braid)

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Lingual Retention, ligature, archwires

1.3. Details of the supplier of the safety data sheet

Manufacturer:
Reliance Orthodontic Products Inc. 1540 West Thorndale Ave. Itasca, IL 60143 USA
630-773-4009, during normal business hours

EC Representative:
Emergo Europe, Molenstraat 15, 2513 BH, The Hague, The Netherlands

Australian Sponsor: Emergo Australia, 201 Sussex St. Darling Park, Tower II, Level 20, Sydney, NSW 2000 Australia

1.4. Emergency telephone number

Emergency number : CHEMTREC - 24-Hour Hazmat Emergency Communications Center
Domestic: 1-800-424-9300 Outside the U.S.: 1-703-527-3887, collect calls accepted

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US) OSHA 29 CFR 1910.1200 HCS

Skin Irritation Category 2
Eye Irritation Category 2
Respiratory Tract Irritation Category 1
Skin sensitization Category 1B
Specific target organ toxicity (single exposure) Category 3
Carcinogencity 1B
Specific Target Organ Toxicity Single Exposure Category 1
Specific Target Organ Toxicity Repeated Exposure Category 1
Combustible Dust
Respiratory Sensitization Category 1B

2.2. Label elements

GHS-US labeling OSHA HCS 2012

Hazard pictograms (GHS-US) :

GHS07

GHS08

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : There are no health hazards from stainless steel wire in solid form. Exposure to dust and/or fumes from processing such as burning, welding, sawing, brazing and grinding may cause serious health effects.
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H336 - May cause drowsiness or dizziness
May cause Cancer
Causes Damage to organs – lungs via inhalation
Causes damage to organs – lungs through prolonged or repeated exposure via inhalation.
May form combustible dust concentrations in air.

Precautionary statements (GHS-US) : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Avoid breating dusts, fumes and gases.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves – work gloves and eye/face protection – safety glasses or goggles. In case of inadequate ventilation, wear respiratory protection.

If on skin, wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention
If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing. If exposed or concerned, get medical advice/attention.
Dispose in a safe manner in accordance with local/national/ regional and/or International regulations

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

NFPA: Health = 1, Flammability = 0, Special Information = 0

HMIS: Health = 1*, Flammability = 0, Reactivity = 0, PPE = E (Safety glasses, gloves and respirator if above exposure levels)

* Chronic Health Hazard

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier (CAS #)	%	Hazardous classification
Aluminum	7429-90-5	<3.5%	Yes
Chromium	7440-47-3	<30%	Yes
Cobalt	7440-48-4	>30%	Yes
Copper	7440-50-8	<34%	Yes
Iron	7439-89-6	<85%	No
Manganese	7439-96-5	<10%	Yes
Molybdenum	7439-98-7	<18%	No
Nickel	7440-02-0	<35%	Yes
Silicon	7440-21-3	<4.5%	Yes
Tantalum	7440-25-7	<5.5%	Yes
Tungsten	7440-33-7	<6.5%	Yes
Vanadium	7440-62-2	<0.5%	Yes

* Stainless Steel products as provided contain chromium metal in the zero valence state. As such, chromium metal does not present an unusual health hazard. However, operations such as burning, welding, sawing, brazing and grinding may generate airborne concentrations of hexavalent chromium.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms persist.

Skin : If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Eye : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion : Low hazard for usual industrial or commercial handling. Get medial attention if symptoms develop.

4.2. Most important symptoms and effects, both acute and delayed

Refer to Section 11 – Toxicology Information

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media: For solid formed alloys, as appropriate for surrounding fire. A fire involving finely divided alloy should be treated as a Class D metal fire. Use DRY sand, graphite powder, dry sodium chloride based extinguishers, G-1 or Met-L-X powder.

Unsuitable Extinguishing Media: Do not use halogenated extinguishing agents or foams.

5.2. Special hazards arising from the substance or mixture

Unusual Fire and Explosion hazard : Stainless Steel products in the form shipped are not considered combustible. During subsequent processing (cutting, welding, grinding, etc.) the generation of dust in high concetnrations may present fire and explosion hazards.

Hazardous Combustion Products : May product hazardous metal fumes.

5.3. Advice for firefighters

Fire Fighters should wear complete protective clothing including self-contained breathing apparatus

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal Precautions : No data available

6.1.1. For non-emergency personnel

No additional information available :

6.1.2. For emergency responders

Emergency procedures : Solid form : Not Applicable. In dusty environment, eliminate all ignition sources (no smoking, flares, sparks or flames in the immediate area). Clean up using methods which avoid dust generation. Compressed air should not be used. During cleanup, avoid inhalation and skin and eye contact. Provide local exhaust or dilution venitilation, as required.

6.2. Environmental precautions

No additional information available

6.3. Methods and material for containment and cleaning up

Use appropriate personal Protective Equipment (PPE). Use clean non-sparking tools to collect material and place it into loosely covered plastic containers for later disposal. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (ie. Clearing dust surfaces with compressed air).

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling : No specific requirements for solid formed steel product. Do not breathe (dust or fumes). Do not use in areas without adequate ventiliation. Do not use sparking tools. Keep away from heat and ignition sources. No smoking. Use good safety and industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Do not store and transport with oxidizers, acids, etc.

Special Packaging Materials : None for solid stainless steel products.

Incompatible materials or Ignition Sources : Oxidizers. Reacts with strong acids to form explosive hydrogen gas and oxides of nitrogen.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available on product. Individual elements may be emitted during processing.

	Exposure Limits / Guidelines			
	Result	ACGIH	NIOSH	OSHA
Vanadium (7440-62-2)	TWAs	Not established	1 mg/m3 TWA (listed under Ferrovanadium dust)	Not established
Aluminum (7429-90-5)	TWAs	1 mg/m3 TWA (respirable fraction)	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
Silicon (7440-21-3)	TWAs	Not established	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
Tantalum (7440-25-7)	TWAs	Not established	5 mg/m3 TWA (dust)	5 mg/m3 TWA
Tungsten (7440-33-7)	TWAs	5 mg/m3 TWA	5 mg/m3 TWA	Not established
Manganese (7439-96-5)	TWAs	0.02 mg/m3 TWA (respirable fraction); 0.1 mg/m3 TWA (inhalable fraction)	1 mg/m3 TWA (fume)	Not established
Molybdenum (7439-98-7)	TWAs	10 mg/m3 TWA (inhalable fraction); 3 mg/m3 TWA (respirable fraction)	Not established	Not established

	Exposure Limits / Guidelines			
Chromium (7440-47-3)	TWAs	0.5 mg/m3 TWA	0.5 mg/m3 TWA	1 mg/m3 TWA
Cobalt (7440-48-4)	TWAs	0.02 mg/m3 TWA	0.05 mg/m3 TWA (dust and fume)	0.1 mg/m3 TWA (dust and fume)
Nickel (7440-02-0)	TWAs	1.5 mg/m3 TWA (inhalable fraction)	0.015 mg/m3 TWA	1 mg/m3 TWA

8.2. Exposure controls

Engineering Measures/Controls : Adequate ventilation systems as needed to control concetnrations of airborne contaminants below applicable threshold limit values. Use only appropriately classified electrical equipment.

Respiratory protection : Use of a NIOSH/MSHA approved dust respirator is recommended where airborne dust levels exceed appropriate PEL's and TLV's.

Eye/Face : Wear protective eyewear (goggles, face shield, or safety glasses

Hands : Wear protective gloves – suitable for protection against physical injury and skin contact during handling and processing.

Skin/Body : Wear protective clothing – such as long sleeves and/or coveralls during processing

General Industrial Hygiene Considerations : Practice good housekeeping and avoid creating/breathing dust. Do not allow dust to collect. Maintain, clean and fit test repirators in accordance with OSHA regulations. Provide readily accessible eye wash stations.

Environmental Exposure Controls : No data available.

Pictograms for Personal Protective Equipment :

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Color : Silver-Grey Metallic

Odor : Odorless

Odor threshold : No data available

pH : No data available

Melting point : 2500 to 2800 F (1371 to 1538 C)

Freezing point : No data available

Boiling point : No data available

Flash point : No data available

Relative evaporation rate (butyl acetate=1) : No data available

Flammability (solid, gas) : No data available

Explosion limits : No data available

Explosive properties : No data available

Oxidizing properties : No data available

Vapor pressure : No data available

Bulk density : 7.75 g/cm3 0.28 lb/in3

Relative vapor density at 20 °C : No data available

Solubility : Insoluble (water)

Log Pow : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under conditions of normal use

10.2. Chemical stability

Stable

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur

10.4. Conditions to avoid

Incompatible materials

10.5. Incompatible materials

Oxidizers, strong acids

10.6. Hazardous decomposition products

Hazardous decomposition may occur during certain operations such as welding, burning, melting or hot rolling, generating hazardous metal fumes. Hexavalent chromium which is a suspect carcinogen may result from pickling of stainless steel.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Other Material Information : Toxicological impacts expected to be minimal for products purchased in solid form. Individual component information is provided below if available.

Acetone (67-64-1)	
Copper (7440-50-8) <34%	Acute Toxicity: Ingestion/Oral-Mouse LD50 413 mg/kg; Ingestion/Oral-Human TDLo 120 ug/kg; Gastrointestinal: Nausea or vomiting.
Aluminum (7429-90-5) <3.5%	Multi-dose Toxicity: Inhalation -Rat TCLo 206 mg/m3 5 Hour(s) 30 Day(s) – Intermittent; Lungs, Thorax or Respiration: Fibrosis (interstitial); Endocrine: Hypoglycemia; Blood: Changes in serum composition (e.g., TP, bilirubin cholesterol)
Silicon (7440-21-3) <4.5%	Acute Toxicity: Ingestion / Oral -Rat LD50 3160 mg/kg; Irritation: eye-Rabbit 3 mg Mild irritation
Tantalum (7440-25-7) <5.5%	Acute Toxicity: Ingestion / Oral – Mouse LD50 595 mg/kg
Tungsten (7440-33-7) <6.5%	Irritation: Eye – Rabbit 500 mg 24 hour(s) Mild Irritation Skin-Rabbit 500 mg 24 Hour(s) Mild irritation
Manganese (7439-96-5) <10%	Irritation: Eye – Rabbit 500 mg 24 hour(s) Mild Irritation Skin-Rabbit 500 mg 24 Hour(s) Mild irritation; Multi-Dose Toxicity: Inhalation – Rat TCLo 3709 mg/m3 6 Hour(s) 13 Week (s) – Intermittent; Brain and Coverings: Other degenerative changes; Behavioral: Changes in motor activity (specific assay) Lungs, Thorax or Respiratory. Other changes: Inhalation – Rat TCLo 0.3 mg/m3 5 Hour(s) 26 Week(s) – Intermittent: Lungs, Thorax or Respiration: Fibrosis (interstitial); Immunological Including Allergic: Decrease in cellular immune response
Molybdenum (7439-98-7) <18%	Multi-dose Toxicity: Inhalation -Oral Rat TDLo 7 mg/m3 2 Week(s) – Intermittent; Liver: Other Changes: Biochemical: Enzyme Inhibition, induction or change in blood or tissue levels: Other oxidoreductases
Chromium (7440-47-3) <30%	Tumorigen / Carcinogen: implant – Rat TDLo 1200 ug/kg 6 Week(s) – Intermittent; Tumorigenic: Equivocal tumorigenic agent by RTECS criteria; Blood: Lymphoma, including Hodgkin's disease; Tumorigenic: Tumors at site of application; Intravenous – Rat TDLo 2160 ug/kg 6 Week(s) – Intermittent; Tumorigenic: Equivocal tumorigenic agent by RTECS criteria; Gastointestinal: Tumors; Blood: Lymphoma, including Hodgkin's disease.
Nickel (7440-02-0) <35%	Acute Toxicity: Ingestion/Oral-Rat LDLo 500 mg/kg; Gastointestinal: Other Changes; Inhalation – Mouse TCLo 10 mg/m3 2 Hour(s); Immunological Including Allergic: Decrease in cellular immune response; Multi-dose Toxicity: Inhalation – Rabbit TCLo 130 ug/m3 6 Hour(s) 35 Week(s) Intermittent; Lungs, Thorax or Respiration: Other changes; Biochemical: Metabolism (intermediary): Lipids, including transport; Inhalation – Rat TCLo 350 mg/m3 2 Week(s) – Intermittent; Lungs, Thorax or Respiration; Other changes; Blood: Changes in erythrocyte (RBC) count; Related to Chronic Data: Deather in the Other Multipe Dose data type field: Tumorigen/Carcinogen: Inhalation – guinea Pig TCLo 15 mg/m3 91 Week(s) – Intermittent; Tumorigenic: Equivocal tumorigenic agent by RTECS criteria; Lungs, thorax, or Respiration: Tumors; Tumorigenic: Carcinogenic by RTEC criteria; Musculoskeletal: Tumors; Tumorigenic: Tumors at site of application; Subcutaneous – Rat TDLo 3000 mg/kg 6 Week(s) – Intermittent; Tumorigenic: Equivocal tumorigenic agent by RTECS criteria; Skin and Appendages: Other: Tumors; Tumorigenic: Tumors at site of application.

GHS Properties	Classification
Acute Toxicity	OSHA HCS 2012 Acute Toxicity – Dermal – Not relevant; Acute Toxicity – Inhalation – No data available; Acute Toxicity – Oral – Not relevant
Aspiration Hazard	OSHA HCS 2012 Data lacking
Carcinogenicity	OSHA HCS 2012 Carcinogicity 2
Germ Cell Mutagenicity	OSHA HCS 2012 No data available
Skin corrosion / Irritation	OSHA HCS 2012 Skin Irritation 2
Skin sensitization	OSHA HCS 2012 Skin sensitizer 1B
STOT-RE	OSHA HCS 2012 Specific Target Organ Toxicity Repeated Exposure 1
STOT-SE	OSHA HCS 2012 Specific Target Organ Toxicity Single Exposure 1; Specific Target Organ Toxicity Single Exposure 3; Respiratory Tract Irritation
Toxicity for Reproduction	OSHA HCS 2012 Data Lacking
Respiratory Sensitization	OSHA HCS 2012 Respiratory Sensitizer 1B
Serious eye damage / Irritation	OSHA HCS 2012 Eye Irritation 2

Target Organs: Skin/Dermal, Lungs, Central Nervous System (CNS), Liver / Hepatotoxins, Kidney/Nephrotoxin, Metal Fume Fever, Nasal Cavity

Route(s) of Entry/Exposure: Dermal contact with and/or inhalation of dust or fumes during welding, cutting, grinding, burning and other operations. Overexposure to dusts and/or fume generated during processing can pose health hazards as defined below:

Medical Conditions Aggravated by Exposure: May aggravate asthma or other respiratory disorders. May aggravate skin disorders.

Potential Health Effects:

Inhalation
Acute (Immediate): May cause respiratory irritation. May cause sensitization. May cause metal fume fever.
Chronic (Delayed): Prolonged inhalation of dust or fume may cause lung, central nervous system, liver, kidney and nasal cavity damage.
Skin
Acute (immediate): Causes skin irritation. May cause skin sensitization. Symptoms include redness, and skin rash.
Chronic (delayed): Repeated and prolonged exposure may cause irritation. Repeated and prolonged exposure may cause sensitization.
Eye
Acute (Immediate): Exposure to dust and fumes may cause irritation. Exposure to fumes and dusts may cause sensitization and conjunctivitis.
Chronic (Delayed): Repeated and prolonged exposure to dust and fumes may cause irritation. Repeated and prolonged exposure to dusts and fumes may cause sensitization and conjunctivitis.
Ingestion
Acute (Immediate): Low hazard for usual industrial or commercial handling. Gastrointestinal disturbances including nausea and vomiting may result from ingestion of dusts.
Chronic (Delayed): Low hazard for usual industrial or commercial handling. Repeated and prolonged exposure may cause gastrointestinal disturbances including nausea and vomiting.
Carcinogenic Effects: No carcinogenic effects resulting from exposure to stainless steels have been reported, either in epidemiological studies or in tests with animals. Stainless steel does contain carcinogenic components above the threshold amount of 0.1% (Nickel and cobalt) and therefore stainless steel (as dusts and fumes) must be classified as a carcinogen.

Carcinogenic Effects	IARC	NTP
Chromium (7440-47-3)	Group 3 – Not Classifiable	Not Listed
Chromium as hexavalent Chromium	Group 1 – Carcinogenic	Known Human Carcinogen
Cobalt	Group 2B – Possible Carcinogen	Not Listed
Nickel	Group 2B – Possible Carcinogen	Reasonable Anticipated to be Human Carcinogen

SECTION 12: Ecological information

12.1. Toxicity

No information available at this time. As with all foreign substances, do not allow to enter the storm drainage systems.

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Product, as shipped is not considered hazardous and should be recycled. Product dusts from processing may be classified as hazardous waste, as defined in 40 CFR 261 as well as state and/or local regulations. Solid waste generated from product processing should be classified by a competent environment professional and disposed, processed or recycled in accordance with federal, state and local regulations.

Packaging Waste : Dispose of content and/or containers in accordance with local, regional, national and/or international regulations.

SECTION 14: Transport information

DOT

Not regulated as a hazardous material

TDG

Not regulated as a dangerous good

Transport by sea

No additional information available

Air transport

No additional information available

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not Applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Safety, Health and Environmental Regulations/Legislation specific for the substance or mixture

SARA Hazard Classifications Acute, Chronic. SARA Hazard Classifications pertain to product as dust or fume

Inventory			
Component and CAS		Canada DSL	TSCA
Aluminum	7429-90-5	Yes	Yes
Chromium	7440-47-3	Yes	Yes
Cobalt	7440-48-4	Yes	Yes
Copper	7440-50-8	Yes	Yes
Iron	7439-89-6	Yes	Yes
Manganese	7439-96-5	Yes	Yes
Molybdenum	7439-98-7	Yes	Yes
Nickel	7440-02-0	Yes	Yes
Silicon	7440-21-3	Yes	Yes
Tantalum	7440-25-7	Yes	Yes
Tungsten	7440-33-7	Yes	Yes
Vanadium	7440-62-2	Yes	Yes

15.2. International regulations

CANADA

Component and CAS		WHMIS Classification of Substances	WHMIS Ingredient Disclosure List
Aluminum	7429-90-5	B6(powder); Uncontrolled product according to WHMIS classification criteria	1%
Chromium	7440-47-3	Uncontrolled product according to WHMIS classification criteria	0.1%
Cobalt	7440-48-4	D2A, D2B	0.1%
Copper	7440-50-8	Uncontrolled product according to WHMIS classification criteria	1%
Iron	7439-89-6	Uncontrolled product according to WHMIS classification criteria	
Manganese	7439-96-5	D2A (including powder)	1%
Molybdenum	7439-98-7	Uncontrolled product according to WHMIS classification criteria	1%
Nickel	7440-02-0	D2A, D2B; B6, D2A (Raney)	0.1%
Silicon	7440-21-3	B4	
Tantalum	7440-25-7	Uncontrolled product according to WHMIS classification criteria	1%
Tungsten	7440-33-7	Uncontrolled product according to WHMIS classification criteria	1%
Vanadium	7440-62-2	Not Listed	1%
Stainless Steel Wire and Ingredients not listed above		Not Listed	Not Listed

EU-Regulations

No additional information available

15.2.2. National regulations

No additional information available

15.3. US State regulations

US CERCLA / SARA – Hazardous Substances and their Reportable Quantities

Component and CAS		
Chromium	7440-47-3	5000 lb final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 um); 2270 kg final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 um).
Copper	7440-50-8	5000 lb final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 um); 2270 kg final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 um).
Nickel	7440-02-0	100 lb final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 um); 45.4kg final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 um).
Stainless Steel Wire and Ingredients not listed above		Not Listed

US CERCLA / SARA – Section 302 Extremely Hazardous Substances EPCRA RQ's

Stainless Steel Wire and Ingredients not listed above	Not Listed

US CERCLA / SARA – Section 302 Extremely Hazardous Substances EPCRA RQ's

Stainless Steel Wire and Ingredients not listed above	Not Listed

US CERCLA / SARA Section 313 Emission Reporting

Component and CAS		Listing
Aluminum	7429-90-5	1.0% de minimis concentration (dust or fume only)
Chromium	7440-47-3	1.0% de minimis concentration
Cobalt	7440-48-4	0.1% de minimis concentration
Copper	7440-50-8	1.0% de minimis concentration
Manganese	7439-96-5	1.0% de minimis concentration
Vanadium	7440-62-2	1.0% de minimis concentration (Except when contained in an alloy
Nickel	7440-02-0	0.1% de minimis concentration
Stainless Steel Wire and Ingredients not listed above		Not Listed

US – California – Proposition 65 – Carcinogens List

Component and CAS		Listing
Cobalt	7440-48-4	Carcinogen, initial date 7/1/92 (powder)
Nickel	7440-02-0	Carcinogen, initial date 10/1/89 (metallic)
Stainless Steel Wire and Ingredients not listed above		Not Listed

SECTION 16: Other information

Classification Method for Mixtures: Cut-off values/concentration limits of ingredients

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product