

Australian statement of hazardous nature: Classified as hazardous according to criteria of Safe Work Australia

### Section 1 - Identification

Product Name Cobalt Chromium Iron Nickel Molybdenum Manganese wire

Product Code 45783

Address ThermoFisher Scientific Australia Pty Ltd

5 Caribbean Drive, Scoresby VICTORIA 3179, Australia

Emergency Tel. CHEMTREC®

03 9757 4559 or +613 9757 4559

Telephone / Fax Numbers Tel: 1300 735 292

Fax: 1800 067 639

E-mail address ANZinfo@thermofisher.com

Recommended Use Laboratory chemicals.

Uses advised against

This product does not contain any substance(s) on the Illicit Drug Precursors/Reagents list.

This product does not contain any substance(s) subject to Prohibition, Authorization or Restriction. This product does not contain any substance(s) listed on the voluntary National

Code of Practice for Chemicals of Security Concern.

# Section 2 - Hazard(s) Identification

### Classification under Safe Work Australia

Classified as hazardous according to criteria of Safe Work Australia

### Physical hazards

No hazards identified

### **Health hazards**

Respiratory Sensitization Category 1 Sub-category 1B

Skin Sensitization

Germ Cell Mutagenicity

Carcinogenicity

Reproductive Toxicity

Specific target organ toxicity - (repeated exposure)

Category 1

Category 1

Category 1

Category 1

**Environmental hazards** 

No hazards identified

**Label Elements** 

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Signal Word

**Danger** 

#### **Hazard Statements**

H317 - May cause an allergic skin reaction

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

H341 - Suspected of causing genetic defects if inhaled

H350 - May cause cancer

H360 - May damage fertility or the unborn child

H372 - Causes damage to organs through prolonged or repeated exposure

### **Precautionary Statements**

P201 - Obtain special instructions before use

P202 - Do not handle until all safety precautions have been read and understood

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

P264 - Wash face, hands and any exposed skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P272 - Contaminated work clothing should not be allowed out of the workplace

P280 - Wear protective gloves

P284 - In case of inadequate ventilation wear respiratory protection

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P308 + P313 - IF exposed or concerned: Get medical advice/attention

P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor

P363 - Wash contaminated clothing before reuse

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing

P403 - Store in a well-ventilated place

P501 - Dispose of contents/ container to an approved waste disposal plant

### Other information

No information available

# Section 3 - Composition and Information on Ingredients

Component	CAS No	Weight %
Cobalt	7440-48-4	41
Chromium	7440-47-3	20
Nickel	7440-02-0	15
Iron	7439-89-6	15
Molybdenum	7439-98-7	7
Manganese	7439-96-5	2

## Section 4 - First Aid Measures

**Inhalation** Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if

symptoms occur.

**Ingestion** Clean mouth with water and drink afterwards plenty of water. Get medical attention if

symptoms occur.

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**Skin Contact**Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists,

call a physician.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get

medical attention.

General Advice If symptoms persist, call a physician.

Self-Protection of the First Aider Ensure that medical personnel are aware of the material(s) involved, take precautions to

protect themselves and prevent spread of contamination.

First Aid Facilities Eyewash, safety shower and washroom.

Most important symptoms and

effects

None reasonably foreseeable. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause allergic skin reaction. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness,

lightheadedness, chest pain, muscle pain or flushing

Notes to Physician Treat symptomatically.

## Section 5 - Fire Fighting Measures

#### **Suitable Extinguishing Media**

approved class D extinguishers. Do not use water or foam.

#### Extinguishing media which must not be used for safety reasons

Water may be ineffective.

### **Hazardous Decomposition Products**

Nickel oxides, Molybdenum oxides, Manganese oxides, Iron oxides, Cobalt oxides, Chromium oxide.

### **Specific Hazards Arising from the Chemical**

Thermal decomposition can lead to release of irritating gases and vapors.

### Special protective equipment and precautions for fire fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## Section 6 - Accidental Release Measures

#### **Emergency procedures**

Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation. No special precautions required.

#### **Environmental Precautions**

Do not flush into surface water or sanitary sewer system. Should not be released into the environment. Do not allow material to contaminate ground water system.

### Methods for Containment and Clean Up

#### Clean-up methods - small spillage

Sweep up and shovel into suitable containers for disposal. Keep in suitable, closed containers for disposal. Pick up and transfer to properly labelled containers.

### Clean-up methods - large spillage

Typically only supplied is small quantiites as packaged goods.

If extremely toxic or used in larger quantities ensure a spillage action plan is in place. Evacuate area. Control the source and/or contain the spill if safe and able to do so. Use temporary diking, sand bags, dry sand, earth or proprietary booms/absorbent pads if

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available. Obtain advice on containment, neutralisation and clean-up from local emergency responders.

#### **Reference to Other Sections**

Refer to protective measures listed in Sections 8 and 13.

# Section 7 - Handling and Storage

#### **Precautions for Safe Handling**

Wear personal protective equipment/face protection. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Avoid dust formation.

### Conditions for Safe Storage, Including any Incompatibilities

Keep in a dry place. Keep away from acids.

AS/NZS 2243.10:2004, Safety in laboratories - Storage of chemicals

# Section 8 - Exposure Controls and Personal Protection

### **Exposure limits**

AUS - Exposure Standards for Atmospheric Contaminants in the Occupational Environment - Guidance Note on the Interpretation of Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:3008(1995)] Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)] updated in August, 2005. Safe Work Australia ACGIH - Threshold Limit Values - Ceiling (TLV-C) guidelines by the American Conference of Governmental Industrial Hygienists (ACGIH) for controlling worker exposure to airborne chemical concentrations in the workplace. UK - EH40/2005 Work Exposure Limits, Fourth edition. Published 2020. DE - MAK and BAT values of Hazardous Chemical Compounds in the Work Area. Published by German Research Foundation on July 1, 2011

Component	Australia	New Zealand WEL	ACGIH TLV	The United Kingdom	Germany
Cobalt	TWA: 0.05 mg/m <sup>3</sup>	TWA: 0.02 mg/m <sup>3</sup>	TWA: 0.02 mg/m <sup>3</sup>	STEL: 0.3 mg/m <sup>3</sup> 15 min	Haut
		Skin		TWA: 0.1 mg/m <sup>3</sup> 8 hr	
				Resp. Sens.	
Chromium	TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>	STEL: 1.5 mg/m <sup>3</sup> 15 min	Ŭ \
				TWA: 0.5 mg/m <sup>3</sup> 8 hr	Stunden). AGW -
					exposure factor 1
Nickel	TWA: 1 mg/m <sup>3</sup>	TWA: 0.005 mg/m <sup>3</sup>	TWA: 1.5 mg/m <sup>3</sup>	STEL: 1.5 mg/m <sup>3</sup> 15 min	
				TWA: 0.5 mg/m <sup>3</sup> 8 hr	Stunden). AGW -
				Skin	exposure factor 8
					TWA: 0.006 mg/m³ (8
					Stunden). AGW -
				<b></b>	exposure factor 8
Molybdenum	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	STEL: 20 mg/m³ 15 min	
			TWA: 3 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> 8 hr	
Manganese	STEL: 3 mg/m <sup>3</sup>	TWA: 0.2 mg/m <sup>3</sup>	TWA: 0.02 mg/m <sup>3</sup>	STEL: 0.6 mg/m <sup>3</sup> 15 min	
	TWA: 1 mg/m <sup>3</sup>	TWA: 0.02 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup>	STEL: 0.15 mg/m <sup>3</sup> 15	Stunden). AGW -
				min	exposure factor 8
				TWA: 0.2 mg/m <sup>3</sup> 8 hr	TWA: 0.02 mg/m³ (8
				TWA: 0.05 mg/m <sup>3</sup> 8 hr	Stunden). AGW -
					exposure factor 8
					TWA: 0.2 mg/m³ (8
					Stunden). MAK
					TWA: 0.02 mg/m³ (8
					Stunden). MAK
					Höhepunkt: 1.6 mg/m³
					Höhepunkt: 0.16 mg/m <sup>3</sup>

### **Biological limit values**

**NZ** - Substances assigned Biological Exposure Indices in the New Zealand Workplace Exposure Standards and Biological Exposure Indices (6th edition). New Zealand Department of Labor

Component	Australia	New Zealand	European Union	United Kingdom	Germany
Cobalt		15 µg/L (urine) end of			
		shift at end of work			
		week (Cobalt)			

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**Exposure Controls Engineering Measures** 

None under normal use conditions.

Personal protective equipment

Eye Protection Wear safety glasses with side shields (or goggles) (Australian/New Zealand Standard

AS/NZS 1337 - Eye protectors for Industrial applications)

Hand Protection No special protective equipment required

Glove material Breakthrough time Glove thickness AUS/NZ Standard Glove comments

Disposable gloves See manufacturers - AS/NZS 2161 (minimum requirement)

recommendations

Skin and body protection Long sleeved clothing

**Repiratory Protection**Use an AS/NZS 1716 approved respirator if exposure limits are exceeded or if irritation or

other symptoms are experienced. To protect the wearer, respiratory protective equipment must be the correct fit and be used and maintained in line with AS/NZS 1715 on the use

and maintenance of repiratory protective devices (or AUS/NZ equivalent)

When RPE is used a face piece Fit Test should be conducted

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice.

**Environmental exposure controls** Prevent product from entering drains. Do not allow material to contaminate ground water

system. Local authorities should be advised if significant spillages cannot be contained.

Solid

# Section 9 - Physical and Chemical Properties

#### Information on basic physical and chemical properties

**Appearance** 

Physical State Solid Wire

Odor
Odor Threshold
PH
No information available
No data available
No information available
No information available
No data available
No data available
No data available
No information available

Flash Point No information available Method - No information available

Evaporation Rate Not applicable Solid

Flammability (solid,gas) No information available

Explosion Limits No data available

Vapor Pressure No data available Vapor Density Not applicable

Specific Gravity / Density

Bulk Density

No data available
No data available

Water Solubility Insoluble

Solubility in other solvents No information available

Partition Coefficient (n-octanol/water)

Component log Pow

Cobalt

Autoignition Temperature No data available No data available

Viscosity Not applicable Solid

**Explosive Properties**No information available

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### Cobalt Chromium Iron Nickel Molybdenum Manganese wire

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Oxidizing Properties No information available

Other information

Molecular Formula Co:Cr:Fe:Ni:Mo:Mn; 40:20:15:15:7:2

# Section 10 - Stability and Reactivity

Reactivity None known, based on information available

**Stability** Stable under normal conditions.

**Conditions to Avoid** Heat, flames and sparks.

**Incompatible Materials** Acids, Oxidizing agent.

Hazardous Decomposition Products Nickel oxides. Molybdenum oxides. Manganese oxides. Iron oxides. Cobalt oxides.

Chromium oxide.

Hazardous Polymerization No information available.

## Section 11 - Toxicological Information

### **Information on Toxicological Effects**

### **Product Information**

(a) acute toxicity;

Oral Based on available data, the classification criteria are not met

DermalNo data availableInhalationNo data available

### Toxicology data for the components

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Cobalt	LD50 = 6171 mg/kg (Rat)		LC50 < 0.05 mg/L (Rat) 4 h
Nickel	LD50 > 9000 mg/kg (Rat)		LC50 > 10.2 mg/L (Rat) 1 h
Iron	7500 mg/kg (Rat)		
Molybdenum		LD50 > 2000 mg/kg (Rat)	LC50 > 5.84 mg/L (Rat) 4 h
Manganese	LD50 = 9 g/kg (Rat)		LC50 > 5.14 mg/L (Rat) 4 h

(b) skin corrosion/irritation; No data available

(c) serious eye damage/irritation; No data available

(d) respiratory or skin sensitization;

RespiratorySub Category 1BSkinCategory 1

Sensitization No information available

(e) germ cell mutagenicity; Category 2

(f) carcinogenicity; Category 1B

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The table below indicates whether each agency has listed any ingredient as a carcinogen

Component	Australia	New Zealand	New South	Western	IARC	EU	UK	Germany
-			Wales	Australia				_
Cobalt		Suspected			Group 2A	Carc Cat. 1B		Cat. 2
		carcinogen						
Nickel		Suspected			Group 2B			Cat. 1
		carcinogen						

(g) reproductive toxicity; Category 1B

No data available (h) STOT-single exposure;

(i) STOT-repeated exposure; Category 1

Route of exposure Inhalation **Target Organs** Lungs.

Not applicable (j) aspiration hazard;

Solid

delayed

Symptoms / effects, both acute and Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing

# Section 12 - Ecological Information

**Ecotoxicity effects** 

The product contains following substances which are hazardous for the environment. Contains a substance which is:. Very toxic to aquatic organisms. May cause long-term adverse effects in the environment. Do not allow material to contaminate ground water system.

Component	Freshwater Fish	Water Flea	Freshwater Algae	Microtox
Cobalt	LC50: > 100 mg/L, 96h static (Brachydanio rerio)			
Nickel	LC50: > 100 mg/L, 96h (Brachydanio rerio) LC50: = 1.3 mg/L, 96h semi-static (Cyprinus carpio) LC50: = 10.4 mg/L, 96h static (Cyprinus carpio)	EC50: = 1 mg/L, 48h Static (Daphnia magna) EC50: > 100 mg/L, 48h (Daphnia magna)	EC50: 0.174 - 0.311 mg/L, 96h static (Pseudokirchneriella subcapitata) EC50: = 0.18 mg/L, 72h (Pseudokirchneriella subcapitata)	
Manganese	LC50: > 3.6 mg/L, 96h semi-static (Oncorhynchus mykiss)			

Product contains heavy metals. Discharge into the environment must be avoided. Special **Persistence and Degradability** 

pre-treatment is necessary Insoluble in water, May persist.

**Persistence** Degradability Not relevant for inorganic substances.

Degradation in sewage Contains substances known to be hazardous to the environment or not degradable in waste treatment plant water treatment plants. **Bioaccumulative Potential** 

May have some potential to bioaccumulate Product has a high potential to bioconcentrate

Component	log Pow	Bioconcentration factor (BCF)
Cobalt	5	No data available
Chromium		1.03 - 1.22

**Mobility** Spillage unlikely to penetrate soil. Is not likely mobile in the environment due its low water

solubility

**Endocrine Disruptor Information** This product does not contain any known or suspected endocrine disruptors **Persistent Organic Pollutant** This product does not contain any known or suspected substance

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**Ozone Depletion Potential** 

This product does not contain any known or suspected substance

# Section 13 - Disposal Considerations

Waste from Residues/Unused

**Products** 

Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with all federal, E.P.A., state and local regulations. Assure

conformity with all applicable regulations.

**Contaminated Packaging** Dispose of this container to hazardous or special waste collection point.

Other Information Chemical wastes should be disposed through a licensed commercial waste collection

service. Do not flush to sewer. Waste codes should be assigned by the user based on the

application for which the product was used. Do not empty into drains.

## Section 14 - Transport Information

IMDG/IMO Not regulated

ADG Not regulated

IATA Not regulated

Environmental hazards No hazards identified

Special Precautions No special precautions required

Additional information None known

# Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

National Regulations Australia

See section 8 for national exposure control parameters.

### Standard for the Uniform Scheduling of Medicines and Poisons

Classified as a scheduled poison according to the Standard for Uniform Scheduling of Medicines and Poisons.

	Component	Standard for the Uniform Scheduling of Medicines and Poisons			
Co	balt - 7440-48-4	Schedule 4 listed - for human therapeutic use except as Dicobalt edentate in preparations for the			
		treatment of Cyanide poisoning			

### **Australian Industrial Chemicals Introduction Scheme (AICIS)**

Component	Australian Industrial Chemicals Introduction Scheme (AICIS)	Additional information
Cobalt - 7440-48-4	Present	-
Chromium - 7440-47-3	Present	-
Nickel - 7440-02-0	Present	-

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# **Cobalt Chromium Iron Nickel Molybdenum Manganese wire**

### SAFETY DATA SHEET

Iron - 7439-89-6	Present	-
Molybdenum - 7439-98-7	Present	-
Manganese - 7439-96-5	Present	-

### Australian - Illicit Drug Precursors/Reagents Substance List

This product does not contain any substance(s) on the Illicit Drug Precursors/Reagents list.

### **Chemicals of Security Concern**

This product does not contain any substance(s) listed on the voluntary National Code of Practice for Chemicals of Security Concern

### National pollutant inventory Subject to reporting requirements

Component	National pollutant inventory
Cobalt - 7440-48-4	10 tonne/yr. Threshold category 1
Nickel - 7440-02-0	10 tonne/yr. Threshold category 1
	2000 tonne/yr. Threshold category 2b
	60000 MWH. Threshold category 2b
	20 MW. Threshold category 2b
Manganese - 7439-96-5	10 tonne/yr. Threshold category 1

### Prohibition or notification/licensing requirements

Shown below are details of specific prohibition/notifications or licencing requirements when they apply.

This product does not contain any substance(s) subject to Prohibition, Authorization or Restriction.

Component	Australia	New South Wales	Western Australia	New Zealand
Cobalt - 7440-48-4				Suspected carcinogen
Nickel - 7440-02-0				Suspected carcinogen

### **International Inventories**

Component	AICS	NZIoC	EINECS	ELINCS	TSCA	DSL	NDSL	PICCS	<b>ENCS</b>	ISHL	IECSC	KECL
Cobalt	X	Х	231-158-0	-	X	Х	-	Х	X		Х	KE-06060
Chromium	Х	X	231-157-5	-	Х	Х	-	Х	Х		Х	KE-05970
Nickel	Х	Х	231-111-4	-	Х	Х	-	Х	Х		Х	KE-25818
Iron	Х	X	231-096-4	-	Х	Х	-	Х	Х		Х	KE-21059
Molybdenum	Х	Х	231-107-2	-	Х	Х	-	Х	Х		Х	KE-25427
Manganese	X	Х	231-105-1	-	X	Х	-	Х	Х		Х	KE-22999

Legend: X - Listed. '-' - Not Listed. KECL - NIER number or KE number (http://ncis.nier.go.kr/en/main.do)

### **International Regulations**

Ozone Depletion Potential This product does not contain any known or suspected substance

Persistent Organic Pollutant This product does not contain any known or suspected substance

Rotterdam Convention (PIC) Not applicable

Basel convention on the control of transboundary movements of hazardous wastes and their dispoal Not applicable.

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Component **CAS No OECD HPV Seveso III Directive Seveso III Directive** Restriction of (2012/18/EC) -Hazardous (2012/18/EC) · Substances (RoHS) Qualifying Quantities Qualifying Quantities for Safety Report for Major Accident Notification Requirements Cobalt 7440-48-4 Listed Not applicable Not applicable Not applicable Chromium 7440-47-3 Listed Not applicable Not applicable Not applicable Nickel 7440-02-0 Listed Not applicable Not applicable Not applicable Iron 7439-89-6 Listed Not applicable Not applicable Not applicable Molybdenum 7439-98-7 Not applicable Not applicable Not applicable Listed Manganese 7439-96-5 Listed Not applicable Not applicable Not applicable

### Authorisation/Restrictions according to EU REACH

Component	REACH (1907/2006) - Annex XIV -	REACH (1907/2006) - Annex XVII -	REACH Regulation (EC
	Substances Subject to	Restrictions on Certain Dangerous	1907/2006) article 59 - Candidate
	Authorization	Substances	List of Substances of Very High
			Concern (SVHC)
Cobalt	-	Use restricted. See item 30.	-
		(see link for restriction details)	
		Use restricted. See item 28.	
		(see link for restriction details)	
		Use restricted. See item 75.	
		(see link for restriction details)	
Chromium	-	Use restricted. See item 75.	-
		(see link for restriction details)	
Nickel	-	Use restricted. See item 27.	-
		(see link for restriction details)	
		Use restricted. See item 75.	
		(see link for restriction details)	

https://echa.europa.eu/substances-restricted-under-reach

## Section 16 - Other Information

### Legend

AICS - Australian Inventory of Chemical Substances

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

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

IECSC - Chinese Inventory of Existing Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

TWA - Time Weighted Average

IARC - International Agency for Research on Cancer

ICAO/IATA - International Civil Aviation Organization/International Air Transport Association

**MARPOL** - International Convention for the Prevention of Pollution from Ships

NZS 5433:2012 - Transport of Dangerous Goods on Land

LD50 - Lethal Dose 50%

**EC50** - Effective Concentration 50% **WEL** - Workplace Exposure Limit

**DNEL** - Derived No Effect Level **POW** - Partition coefficient Octanol:Water

vPvB - very Persistent, very Bioaccumulative

VOC - (Volatile Organic Compound)

NZIoC - New Zealand Inventory of Chemicals

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japanese Existing and New Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

CAS - Chemical Abstracts Service

**ACGIH** - American Conference of Governmental Industrial Hygienists Predicted No Effect Concentration (PNEC)

IMO/IMDG - International Maritime Organization/International Maritime Dangerous Goods Code

ADG Australian Code for the Transport of Dangerous Goods by Road and Rail

**OECD** - Organisation for Economic Co-operation and Development

LC50 - Lethal Concentration 50% ATE - Acute Toxicity Estimate

RPE - Respiratory Protective Equipment
NOEC - No Observed Effect Concentration

**BCF** - Bioconcentration factor

PBT - Persistent, Bioaccumulative, Toxic

### Key literature references and sources for data

https://echa.europa.eu/information-on-chemicals

Suppliers safety data sheet, Chemadvisor - LOLI, Merck index, RTECS

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

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# **Cobalt Chromium Iron Nickel Molybdenum Manganese wire**

### SAFETY DATA SHEET

Physical hazards

Health Hazards

Environmental hazards

On basis of test data
Calculation method
Calculation method

**Training Advice** 

Chemical hazard awareness training, incorporating labelling, Safety Data Sheets (SDS), Personal Protective Equipment (PPE) and hygiene.

Revision Date 19-Nov-2022

**Revision Summary** SDS sections updated, 2, 3.

This Safety Data Sheet (SDS) is prepared in accordance to and complies with the requirements of Safe Work Australia - Work Health and Safety Regulations (WHS Regulations).

#### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

# **End of Safety Data Sheet**

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