

SAFETY DATA SHEET

Revision Date 10-Sep-2018

Version 5

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier **Product Name**

Nickel Alloy

Other means of identification Product Code Synonyms

FRP007 Nickel Alloy: ALTEMP ® 276, ATI 276™, ATI C-276™, ALTEMP ® 600, ATI 600™, ALTEMP ® 601, ATI 601™, 625 Altemp®, AL 685, ATI 690™, ALTEMP ® 718, ATI 718™ ALLOY, ALTEMP ® X750, ATI X-750™ALLOY, ATI 625HP™, ALTEMP ® 625HP. ATI 718Plus®, ALTEMP ® 718 PLUS ALLOY, ATI 22™ ALLOY, 263 Altemp®, Allcorr®, HX Altemp®, ATI HX™, AL214 allov, Sealmet™ 485, RA 333 ™, ATI 59™

Recommended use of the chemical and restrictions on use **Recommended Use** Nickel alloy product manufacture. Uses advised against

Details of the supplier of the safety data sheet Manufacturer Address ATI, 1000 Six PPG Place, Pittsburgh, PA 15222 USA Emergency telephone number **Emergency Telephone**

Chemtrec: 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). This product is an article and, as such, does not present a hazard to human health by inhalation or ingestion.

Acute toxicity - Oral	Category 4
Respiratory sensitization	Category 1B
Skin sensitization	Category 1
Carcinogenicity	Category 1B
Reproductive toxicity	Category 2
Specific target organ toxicity (repeated exposure)	Category 1

Label elements

Emergency Overview

Danger

Hazard statements

Harmful if swallowed May cause allergy or asthma symptoms or breathing difficulties if inhaled May cause an allergic skin reaction May cause cancer Suspected of damaging fertility or the unborn child Causes damage to the respiratory tract through prolonged or repeated exposure if inhaled



Physical state Solid

Odor Odorless

Precautionary Statements - Prevention

Do not handle until all safety precautions have been read and understood Use personal protective equipment as required Wear protective gloves

Precautionary Statements - Response

If skin irritation occurs: Get medical advice/attention If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Other Information

When product is subjected to welding, burning, melting, sawing, brazing, grinding, buffing, polishing, or other similar heat-generating processes, the following potentially hazardous airborne particles and/or fumes may be generated:: Titanium dioxide an IARC Group 2B carcinogen, Hexavalent Chromium (Chromium VI) may cause lung, nasal, and/or sinus cancer, Soluble molybdenum compounds such as molybdenum trioxide may cause lung irritation, Zinc, copper, magnesium, or cadmium fumes may cause metal fume fever.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms

Nickel Alloy: ALTEMP ® 276, ATI 276[™], ATI C-276[™], ALTEMP ® 600, ATI 600[™], ALTEMP ® 601, ATI 601[™], 625 Altemp®, AL 685, ATI 690[™], ALTEMP ® 718, ATI 718[™] ALLOY, ALTEMP ® X750, ATI X-750[™]ALLOY, ATI 625HP[™], ALTEMP ® 625HP, ATI 718Plus®, ALTEMP ® 718 PLUS ALLOY, ATI 22[™] ALLOY, 263 Altemp®, Allcorr®, HX Altemp®, ATI HX[™], AL214 alloy, Sealmet[™] 485, RA 333 [™], ATI 59[™].

Chemical Name	CAS No.	Weight-%
Aluminum	7429-90-5	0-5
Iron	7439-89-6	0-20
Manganese	7439-96-5	0-1
Molybdenum	7439-98-7	0-17
Nickel	7440-02-0	40-80
Niobium (Columbium)	7440-03-1	0-5.5
Silicon	7440-21-3	0-1
Tantalum	7440-25-7	0-4.2
Titanium	7440-32-6	0-3.0
Tungsten	7440-33-7	0-4.5
Chromium	7440-47-3	14-33
Cobalt	7440-48-4	0-21
Copper	7440-50-8	0-3

4. FIRST AID MEASURES

First aid measures

Eye contact	In the case of particles coming in contact with eyes during processing, treat as with any foreign object.		
Skin Contact	In the case of skin irritation or allergic reactions see a physician.		
Inhalation	If excessive amounts of smoke, fume, or particulate are inhaled during processing, remove to fresh air and consult a qualified health professional.		
Ingestion	Not an expected route of exposure.		
Most important symptoms and effects, both acute and delayed			
Symptoms	May cause allergic skin reaction. May cause acute gastrointestinal effects if swallowed.		
Indication of any immediate medical attention and special treatment needed			
Note to physicians	Treat symptomatically.		
5. FIRE-FIGHTING MEASURES			

Suitable extinguishing media

Product not flammable in the form as distributed, flammable as finely divided particles or pieces resulting from processing of this product. Isolate large fires and allow to burn out. Smother small fires with salt (NaCl) or class D dry powder fire extinguisher.

Unsuitable extinguishing media Do not spray water on burning metal as an explosion may occur. This explosive characteristic is caused by the hydrogen and steam generated by the reaction of water with the burning material.

Specific hazards arising from the chemical

Intense heat. Very fine, high surface area material resulting from grinding, buffing, polishing, or similar processes of this product may ignite spontaneously at room temperature. WARNING: Fine particles resulting from grinding, buffing, polishing, or similar processes of this product may form combustible dust-air mixtures. Keep particles away from all ignition sources including heat, sparks, and flame. Prevent dust accumulations to minimize combustible dust hazard.

Hazardous combustion products Titanium dioxide an IARC Group 2B carcinogen. Hexavalent Chromium (Chromium VI) may cause lung, nasal, and/or sinus cancer. Zinc, copper, magnesium, or cadmium fumes may cause metal fume fever. Soluble molybdenum compounds such as molybdenum trioxide may cause lung irritation.

Explosion data Sensitivity to Mechanical Impact None. Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protective equipment as required.

For emergency responders Use personal protective equipment as required.

Environmental precautions

Environmental precautions	Not applicable to massive product.		
Methods and material for containm	ent and cleaning up		
Methods for containment	Not applicable to massive product.		
Methods for cleaning up	Not applicable to massive product.		
	7. HANDLING AND STORAGE		
Precautions for safe handling			
Advice on safe handling	Very fine, high surface area material resulting from grinding, buffing, polishing, or similar processes of this product may ignite spontaneously at room temperature. WARNING: Fine particles resulting from grinding, buffing, polishing, or similar processes of this product may form combustible dust-air mixtures. Keep particles away from all ignition sources including heat, sparks, and flame. Prevent dust accumulations to minimize combustible dust hazard.		
Conditions for safe storage, including any incompatibilities			
Storage Conditions	Keep chips, turnings, dust, and other small particles away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).		
Incompatible materials	Dissolves in hydrofluoric acid. Ignites in the presence of fluorine. When heated above 200°C, reacts exothermically with the following. Chlorine, bromine, halocarbons, carbon tetrachloride, carbon tetrafluoride, and freon.		

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL
Tungsten	STEL: 10 mg/m ³ STEL: 10 mg/m ³ W	(vacated) STEL: 10 mg/m ³ (vacated) STEL:
7440-33-7	TWA: 5 mg/m ³ TWA: 5 mg/m ³ W	10 mg/m ³ W
Titanium	-	-
7440-32-6		
Tantalum	-	TWA: 5 mg/m ³
7440-25-7		
Silicon	-	TWA: 15 mg/m ³ total dust
7440-21-3		TWA: 5 mg/m ³ respirable fraction
Niobium (Columbium) 7440-03-1	-	-
Nickel 7440-02-0	TWA: 1.5 mg/m ³ inhalable fraction	TWA: 1 mg/m ³
Molybdenum	TWA: 10 mg/m ³ inhalable fraction	_
7439-98-7	TWA: 3 mg/m ³ respirable fraction	
Manganese	TWA: 0.02 mg/m ³ respirable fraction	(vacated) STEL: 3 mg/m ³ fume
7439-96-5	TWA: 0.1 mg/m ³ inhalable fraction TWA:	(vacated) Ceiling: 5 mg/m ³
	0.02 mg/m³ Mn TWA: 0.1 mg/m³ Mn	Ceiling: 5 mg/m ³ fume Ceiling: 5 mg/m ³ Mn
Iron	-	-
7439-89-6		
Copper	TWA: 0.2 mg/m ³ fume TWA: 1 mg/m ³ Cu	TWA: 0.1 mg/m ³ fume
7440-50-8	dust and mist	TWA: 1 mg/m ³ dust and mist
Cobalt	TWA: 0.02 mg/m ³ TWA: 0.02 mg/m ³ Co	TWA: 0.1 mg/m ³ dust and fume
7440-48-4		
Chromium	TWA: 0.5 mg/m ³	TWA: 1 mg/m ³
7440-47-3		
Aluminum	TWA: 1 mg/m ³ respirable fraction	TWA: 15 mg/m ³ total dust
7429-90-5		TWA: 5 mg/m ³ respirable fraction

Appropriate engineering controls

Engineering Controls	Avoid generation of uncontrolled particles.		
Individual protection measures, suc	ch as personal protective equipment		
Eye/face protection	When airborne particles may be present, appropriate eye protection is recommended. For example, tight-fitting goggles, foam-lined safety glasses or other protective equipment that shield the eyes from particles.		
Skin and body protection	Fire/flame resistant/retardant clothing may be appropriate during hot work with the product. Cut-resistant gloves and/or protective clothing may be appropriate when sharp surfaces are present.		
Respiratory protection	When particulates/fumes/gases are generated and if exposure limits are exceeded or irritation is experienced, proper approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.		
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice.		

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Appearance Color	Solid Various massive product forms silver metallic	Odor Odor threshold	Odorless Not applicable
Property	Values	Remarks • Method	
pH Molting point/freezing point	- 1260-1430 °C / 2300-2600 °F		
Melting point/freezing point Boiling point / boiling range	1260-1430 C / 2300-2600 F		
Flash point	-		
Evaporation rate	-	Not applicable	
Flammability (solid, gas)	-		
Flammability Limit in Air			
Upper flammability limit:	-		
Lower flammability limit:	-		
Vapor pressure	-	Not applicable	
Vapor density	- 7-9	Not applicable	
Specific Gravity Water solubility	Insoluble		
Solubility in other solvents	-	Not applicable	
Partition coefficient	-	Not applicable	
Autoignition temperature	-	Not applicable	
Decomposition temperature	-	Not applicable	
Kinematic viscosity	-	Not applicable	
Dynamic viscosity	-	Not applicable	
Explosive properties	Not applicable		
Oxidizing properties	Not applicable		
Other Information			
Softening point	-		
Molecular weight	-		
VOC Content (%)	Not applicable		
Density	-		
Bulk density	-		

10. STABILITY AND REACTIVITY

Reactivity

Not applicable

Chemical stability

Stable under normal conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous polymerization Hazardous polymerization does not occur.

Conditions to avoid

Dust formation and dust accumulation.

Incompatible materials

Dissolves in hydrofluoric acid. Ignites in the presence of fluorine. When heated above 200°C, reacts exothermically with the following. Chlorine, bromine, halocarbons, carbon tetrachloride, carbon tetrafluoride, and freon.

Hazardous Decomposition Products

When product is subjected to welding, burning, melting, sawing, brazing, grinding, buffing, polishing, or other similar heat-generating processes, the following potentially hazardous airborne particles and/or fumes may be generated:. Titanium dioxide an IARC Group 2B carcinogen. Hexavalent Chromium (Chromium VI) may cause lung, nasal, and/or sinus cancer. Soluble molybdenum compounds such as molybdenum trioxide may cause lung irritation.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	Not an expected route of exposure for product in massive form.
Eye contact	Not an expected route of exposure for product in massive form.
Skin Contact	May cause sensitization by skin contact.
Ingestion	Not an expected route of exposure for product in massive form.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Tungsten 7440-33-7	> 2000 mg/kg bw	> 2000 mg/kg bw	> 5.4 mg/L
Titanium 7440-32-6	> 5000 mg/kg bw	-	-
Tantalum 7440-25-7	> 2000 mg/kg bw	> 2000 mg/kg bw	> 5.18 mg/L
Silicon 7440-21-3	> 5000 mg/kg bw	> 5000 mg/kg bw	> 2.08 mg/L
Niobium (Columbium) 7440-03-1	> 10,000 mg/kg bw	> 2000 mg/kg bw	-
Nickel 7440-02-0	> 9000 mg/kg bw	-	> 10.2 mg/L
Molybdenum 7439-98-7	> 2000 mg/kg bw	> 2000 mg/kg bw	> 5.10 mg/L
Manganese 7439-96-5	>2000 mg/kg bw	-	>5.14 mg/L
Iron 7439-89-6	98,600 mg/kg bw	-	> 0.25 mg/L
Copper 7440-50-8	481 mg/kg bw	>2000 mg/kg bw	>5.11 mg/L
Cobalt 7440-48-4	550 mg/kg bw	>2000 mg/kg bw	<0.05 mg/L

Chromium 7440-47-3	> 3400 mg/kg bw	-	> 5.41 mg/L
Aluminum 7429-90-5	15,900 mg/kg bw	-	> 1 mg/L

Information on toxicological effects

Symptoms

May cause sensitization by skin contact. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause acute gastrointestinal effects if swallowed.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Acute toxicity Skin corrosion/irritation Serious eye damage/eye irritation Sensitization	Harmful if swallowed. Cobalt-containing powders may be fatal if inhaled. Product not classified. Product not classified. May cause sensitization by skin contact. Cobalt-containing alloys may cause sensitization by inhalation.
Germ cell mutagenicity	Product not classified.
Carcinogenicity	May cause cancer by inhalation.

Chemical Name	ACGIH	IARC	NTP	OSHA
Nickel		Group 1	Known	Х
7440-02-0		Group 2B	Reasonably Anticipated	
Cobalt	A3	Group 2A	Known	Х
7440-48-4		Group 2B		
Chromium		Group 3		
7440-47-3				

Reproductive toxicity STOT - single exposure STOT - repeated exposure Aspiration hazard Possible risk of impaired fertility. Product not classified. Causes disorder and damage to the: Respiratory System. Product not classified.

12. ECOLOGICAL INFORMATION

Ecotoxicity

This product as shipped is not classified for aquatic toxicity.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to	Crustacea
Tungsten 7440-33-7	The 72 h EC50 of sodium tungstate to Pseudokirchnerella subcapitata was 31.0 mg of W/L.	The 96 h LC50 of sodium tungstate to Danio rerio was greater than 106 mg of W/L.	microorganisms The 30 min EC50 of sodium tungstate for activated sludge were greater than 1000 mg/L.	The 48 h EC50 of sodium tungstate to Daphnia magna was greater than 96 mg of W/L.
Titanium 7440-32-6	The 72 h EC50 of titanium dioxide to Pseudokirchnerella subcapitata was 61 mg of TiO2/L.	The 96 h LC50 of titanium dioxide to Cyprinodon variegatus was greater than 10,000 mg of TiO2/L. The 96 h LC50 of titanium dioxide to Pimephales promelas was greater than 1,000 mg of TiO2/L.	The 3 h EC50 of titanium dioxide for activated sludge were greater than 1000 mg/L.	The 48 h EC50 of titanium dioxide to Daphnia Magna was greater than 1000 mg of TiO2/L.
Tantalum 7440-25-7	-	-	-	-
Silicon 7440-21-3	The 72 h EC50 of sodium metasilicate pentahydrate to Pseudokirchnerella subcapitata was greater than 250 mg/L.	-	-	-
Niobium (Columbium) 7440-03-1	-	-	-	-
Nickel 7440-02-0	NOEC/EC10 values range from 12.3 µg/l for	The 96h LC50s values range from 0.4 mg Ni/L for	The 30 min EC50 of nickel for activated sludge was 33	The 48h LC50s values range from 0.013 mg Ni/L for

	Scenedesmus accuminatus	Pimephales promelas to 320	mg Ni/L.	Ceriodaphnia dubia to 4970
	to 425 µg/l for	mg Ni/L for Brachydanio		mg Ni/L for Daphnia magna.
	Pseudokirchneriella	rerio.		
	subcapitata.			
Molybdenum	The 72 h EC50 of sodium	The 96 h LC50 of sodium	The 3 h EC50 of	The 48 h LC50 of sodium
7439-98-7	molybdate dihydrate to	molybdate dihydrate to	molybdenum trioxide for	molybdate dihydrate to
	Pseudokirchneriella	Pimephales promelas was	activated sludge was 820	Ceriodaphnia dubia was
	subcapitata was 362.9 mg of	644.2 mg/L	mg/L.	1,015 mg/L.
	Mo/L.	0 1 1.2 mg/2		The 48 h LC50 of sodium
	1110/ 2.			molybdate dihydrate to
				Daphnia magna was greater
				than 1,727.8 mg/L.
Manganaga	The 72 h EC50 of	The 96 h LC50 of	The 2 h ECEO of management	, 0
Manganese			The 3 h EC50 of manganese	
7439-96-5	manganese to	manganese to	for activated sludge was	manganese to Daphnia
	Desmodesmus subspicatus	Oncorhynchus mykiss was	greater than 1000 mg/L.	magna was greater than 1.6
	was 2.8 mg of Mn/L.	greater than 3.6 mg of Mn/L		mg/L.
Iron	-	The 96 h LC50 of 50% iron	The 3 h EC50 of iron oxide	The 48 h EC50 of iron oxide
7439-89-6		oxide black in water to Danio	for activated sludge was	to Daphnia magna was
		rerio was greater than	greater than 10,000 mg/L.	greater than 100 mg/L.
		10,000 mg/L.		
Copper	The 72 h EC50 values of	The 96-hr LC50 for	The 24 h NOEC of copper	The 48 h LC50 values for
7440-50-8	copper chloride to	Pimephales promelas	chloride for activated sludge	Daphnia magna exposed to
	Pseudokirchneriella	exposed to Copper sulfate	ranged from 0.32 to 0.64 mg	copper in natural water
	subcapitata ranged between	ranged from 256.2 to 38.4	of Cu/L.	ranged between 33.8 µg/L
	30 µg/L (pH 7.02, hardness	ug/L with water hardness		(pH 6.1, hardness 12.4 mg/L
	250 mg/L CaCO3, DOC 1.95			CaCO3, DOC 2.34 mg/L)
	mg/L) and 824 µg/L (pH	mg/L.		and 792 µg/L (pH 7.35,
	6.22, hardness 100 mg/L	ing/E.		hardness 139.7 mg/L
	CaCO3, DOC 15.8 mg/L).			CaCO3, DOC 22.8 mg/L).
Cahalt			The 3 h EC50 of cobalt	
Cobalt	The 72 h EC50 of cobalt	The 96h LC50 of cobalt		The 48 h LC50 of cobalt
7440-48-4	dichloride to	dichloride ranged from 1.5	dichloride for activated	dichloride ranged from 0.61
	Pseudokirchneriella	mg Co/L for Oncorhynchus	sludge was 120 mg of Co/L.	mg Co/L for Ceriodaphnia
	subcapitata was 144 ug of	mykiss to 85 mg Co/L for		dubia tested in soft,
	Co/L.	Danio rerio.		DOM-free water to >1800mg
				Co/L for Tubifex tubifex in
				very hard water.
Chromium	-	-	-	-
7440-47-3				
Aluminum	The 96-h EC50 values for	The 96 h LC50 of aluminum	-	The 48-hr LC50 for
7429-90-5	reduction of biomass of	to Oncorhynchus mykiss		Ceriodaphnia dubia exposed
	Pseudokirchneriella	was 7.4 mg of Al/L at pH 6.5		to Aluminium chloride
	subcapitata in AAP-Medium	and 14.6 mg of Al/L at pH		increased from 0.72 to
	at pH 6, 7, and 8 were	7.5		greater than 99.6 mg/L with
	estimated as 20.1, 5.4, and			water hardness increasing
	150.6 µg/L, respectively, for			from 25 to 200 mg/L.
	dissolved Al.			1011 20 to 200 mg/L.

Persistence and degradability

Bioaccumulation

Other adverse effects

This product as shipped is not classified for environmental endpoints. However, when subjected to sawing or grinding, particles may be generated that are classified for aquatic acute or aquatic chronic toxicity.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	None anticipated.

Chemical Name	RCRA - D Series Wastes
Chromium	5.0 mg/L regulatory level
7440-47-3	

This product contains one or more substances that are listed with the State of California as a hazardous waste.

14. TRANSPORT INFORMATION

DOT

Not regulated

15. REGULATORY INFORMATION

International Inventories	
TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Not Listed
AICS	Complies

Legend:

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

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

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

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (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 Name	CAS No.	Weight-%	SARA 313 - Threshold Values %
Nickel - 7440-02-0	7440-02-0	40-80	0.1
Manganese - 7439-96-5	7439-96-5	0-1	1.0
Copper - 7440-50-8	7440-50-8	0-3	1.0
Cobalt - 7440-48-4	7440-48-4	0-21	0.1
Chromium - 7440-47-3	7440-47-3	14-33	1.0

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Nickel		Х	Х	
7440-02-0				
Copper		Х	Х	

7440-50-8			
Chromium	Х	Х	
7440-47-3			

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs
Nickel 7440-02-0	100 lb
Copper 7440-50-8	5000 lb
Chromium 7440-47-3	5000 lb

US State Regulations

California Proposition 65

This product contains the Proposition 65 chemicals listed below. Proposition 65 warning label available at ATImetals.com.

Chemical Name	California Proposition 65	
Nickel - 7440-02-0	Carcinogen	
Cobalt - 7440-48-4	Carcinogen	

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Tungsten 7440-33-7	X	X	X
Titanium 7440-32-6	Х		
Tantalum 7440-25-7	Х	X	Х
Silicon 7440-21-3	Х	X	Х
Nickel 7440-02-0	Х	X	Х
Molybdenum 7439-98-7	Х	X	Х
Manganese 7439-96-5	Х	X	Х
Copper 7440-50-8	Х	X	Х
Cobalt 7440-48-4	Х	X	Х
Chromium 7440-47-3	Х	X	Х
Aluminum 7429-90-5	Х	X	Х

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION				
<u>NFPA</u>	Health hazards 1	Flammability 0	Instability 0	Physical and Chemical Properties -
HMISHealth hazards 2*Flammability 0Chronic Hazard Star Legend* = Chronic Health Hazard		Physical hazards 0	Personal protection X	
Prepared ByJustin DayIssue Date28-May-2015Revision Date10-Sep-2018Revision Note10-Sep-2018				

Updated Section(s): 5, 9, 12 15 Note:

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

Additional information available Safety data sheets and labels available at ATImetals.com from: