Heegermaterials

SAFETY DATA SHEET

Issue Date 28-May-2020 Revision Date 10-Sep-2023 Version 5

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

Product identifier

Product Name Nickel Alloy

Other means of identification

Synonyms Nickel Aluminum Master Alloy, Nickel Boron Master Alloy, Nickel Calcium Master Alloy, Nickel

Cerium Master Alloy, Nickel Chromium Master Alloy, Nickel Copper Iron Master Alloy, Nickel Hafnium Master Alloy, Nickel Lanthanum Master Alloy, Nickel Manganese Master Alloy, Nickel

Molybdenum Master Alloy, Nickel Niobium Master Alloy, etc.

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

Hegger Materials Inc. 230 Steele St Denver, CO

20806, United States

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

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North America; English



Appearance Various massive product forms

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 precautionsUse personal protective equipment as required.

Environmental precautions

Environmental precautions Not applicable to massive product.

Methods and material for containment 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

6. EXPOSURE CONTROLS/PERSONAL PROTECTION			
Control parameters	Mate.		
Exposure Guidelines	alon.		
Chemical Name	ACGIH TLV	OSHA PEL	
Tungsten 7440-33-7	STEL: 10 mg/m³ STEL: 10 mg/m³ W TWA: 5 mg/m³ TWA: 5 mg/m³ W	(vacated) STEL: 10 mg/m³ (vacated) STEL: 10 mg/m³ W	
Titanium 7440-32-6	- 40	/ _h	
Tantalum 7440-25-7	-	TWA: 5 mg/m ³	
Silicon 7440-21-3	-	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction	
Niobium (Columbium) 7440-03-1	-	-	
Nickel 7440-02-0	TWA: 1.5 mg/m³ inhalable fraction	TWA: 1 mg/m ³	
Molybdenum 7439-98-7	TWA: 10 mg/m³ inhalable fraction TWA: 3 mg/m³ respirable fraction	-	
Manganese 7439-96-5	TWA: 0.02 mg/m³ respirable fraction TWA: 0.1 mg/m³ inhalable fraction TWA: 0.02 mg/m³ Mn TWA: 0.1 mg/m³ Mn	(vacated) STEL: 3 mg/m³ fume (vacated) Ceiling: 5 mg/m³ Ceiling: 5 mg/m³ fume Ceiling: 5 mg/m³ Mn	
Iron 7439-89-6	-	-	
Copper 7440-50-8	TWA: 0.2 mg/m³ fume TWA: 1 mg/m³ Cu dust and mist	TWA: 0.1 mg/m³ fume TWA: 1 mg/m³ dust and mist	
Cobalt 7440-48-4	TWA: 0.02 mg/m³ TWA: 0.02 mg/m³ Co	TWA: 0.1 mg/m³ dust and fume	
Chromium 7440-47-3	TWA: 0.5 mg/m ³	TWA: 1 mg/m ³	
Aluminum 7429-90-5	TWA: 1 mg/m³ respirable fraction	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction	

Appropriate engineering controls

Avoid generation of uncontrolled particles. **Engineering Controls**

Individual protection measures, such as personal protective equipment

When airborne particles may be present, appropriate eye protection is recommended. For Eye/face protection

example, tight-fitting goggles, foam-lined safety glasses or other protective equipment that

shield the eyes from particles.

Fire/flame resistant/retardant clothing may be appropriate during hot work with the product. Skin and body protection

Cut-resistant gloves and/or protective clothing may be appropriate when sharp surfaces are

present.

When particulates/fumes/gases are generated and if exposure limits are exceeded or Respiratory protection

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.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state

Appearance Odorless Various massive product forms Odor Color silver metallic Odor threshold Not applicable

Values Property Remarks • Method

На

1260-1430 °C / 2300-2600 °F Melting point/freezing point

Boiling point / boiling range Flash point

Evaporation rate

Not applicable Product not flammable in the form as distributed, Flammability (solid, gas)

flammable as finely divided particles or pieces resulting from processing of this product

Flammability Limit in Air

Upper flammability limit: Lower flammability limit:

Vapor pressure Not applicable Vapor density Not applicable

Specific Gravity 7-9 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 Not applicable **Dynamic viscosity**

Explosive properties Not applicable Not applicable Oxidizing properties

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
Гitanium 7440-32-6	> 5000 mg/kg bw	-	-
Гantalum 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
ron 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

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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

May cause sensitization by skin contact. May cause allergy or asthma symptoms or **Symptoms**

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 Harmful if swallowed. Cobalt-containing powders may be fatal if inhaled.

Skin corrosion/irritation Product not classified. Serious eve damage/eve irritation Product not classified.

May cause sensitization by skin contact. Cobalt-containing alloys may cause sensitization 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	X
7440-02-0		Group 2B	Reasonably Anticipated	
Cobalt	A3	Group 2A	Known	X
7440-48-4		Group 2B		
Chromium		Group 3		
7440-47-3				

Reproductive toxicity Possible risk of impaired fertility. Product not classified. STOT - single exposure

Causes disorder and damage to the: Respiratory System. STOT - repeated exposure

Product not classified. **Aspiration hazard**

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity			als r	
This product as shipped is	s not classified for aquatic t	oxicity.	th	
Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	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.	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

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		In:	L	I
		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		mg/Ľ.	1,015 mg/L.
	Mo/L.	9		The 48 h LC50 of sodium
				molybdate dihydrate to
				Daphnia magna was greater
				than 1,727.8 mg/L.
Manganese	The 72 h EC50 of	The 96 h LC50 of	The 3 h EC50 of manganese	
7439-96-5	manganese to	manganese to	for activated sludge was	manganese to Daphnia
7 100 00 0	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	groater than 1000 mg/L.	mg/L.
Iron	was 2.0 mg of why 2.	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		to Daphnia magna was
7455-65-6		rerio was greater than	greater than 10,000 mg/L.	greater than 100 mg/L.
			greater than 10,000 mg/L.	greater than 100 mg/L.
Caman	The 72 h EC50 values of	10,000 mg/L.	The OA h NOTO of common	The 48 h LC50 values for
Copper		The 96-hr LC50 for	The 24 h NOEC of copper	
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	
	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			hardness 139.7 mg/L
	CaCO3, DOC 15.8 mg/L).			CaCO3, DOC 22.8 mg/L).
Cobalt	The 72 h EC50 of cobalt	The 96h LC50 of cobalt	The 3 h EC50 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
		401		very hard water.
Chromium	-	4/17	-	-
7440-47-3			_	
Aluminum	The 96-h EC50 values for	The 96 h LC50 of aluminum	9 / -	The 48-hr LC50 for
7429-90-5	reduction of biomass of	to Oncorhynchus mykiss	$\sigma / \sim 10^{-1}$	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.			110111 23 to 200 Hig/E.
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Persistence and degradability

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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 Complies **ENCS** Complies **IECSC** Complies **KECL 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/ELING
ENCS - Japan Existing and New Ground
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 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

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		X	X	
7440-02-0				
Copper		X	X	

7440-50-8			
Chromium	X	X	
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	100 lb
7440-02-0	
Copper	5000 lb
7440-50-8	
Chromium	5000 lb
7440-47-3	

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	SCXX	X	X
Titanium 7440-32-6	X		
Tantalum 7440-25-7	X (d)	X	Х
Silicon 7440-21-3	X	X	Х
Nickel 7440-02-0	X	140	X
Molybdenum 7439-98-7	X	X	X
Manganese 7439-96-5	X	X	X
Copper 7440-50-8	X	X	Х
Cobalt 7440-48-4	X	X	Х
Chromium 7440-47-3	X	X	Х
Aluminum 7429-90-5	Х	X	Х

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INF	FORMATION
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NFPA Health hazards 1 Flammability 0 Instability 0 Physical and Chemical Properties HMIS Health hazards 2* Flammability 0 Physical hazards 0 Personal protection X

Chronic Hazard Star Legend *= Chronic Health Hazard

Prepared By Justin Day

Prepared ByJustin DayIssue Date28-May-2015Revision Date10-Sep-2018

Revision Note

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 from:

Safety data sheets and labels available at heegermaterials.com

