

SAFETY DATA SHEET

Issue Date 28-May-2015 Revision Date 02-Jul-2024 Version 9

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

Product identifier

Product Name Nickel Alloy Powder

Other means of identification

Product Code PM003

Synonyms Nickel Alloy Powder, including but not limited to: ATI 249™ Powder, ATI N625 PM™

Powder, ATI 40Ti PM™ Powder, ATI 45Ti PM™ Powder, Alloy 600 Powder, Alloy 690

Powder, and MISC-N Powder

Recommended use of the chemical and restrictions on use

Recommended Use Alloy product manufacture.

Uses advised against

Details of the supplier of the safety data sheet

Manufacturer Address

ATI Specialty Materials, 2020 Ashcraft Avenue, Monroe, NC 28110 USA Emergency telephone number

Company Phone Number ATI SDS Manager: 1-412-225-4911

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)

Skin sensitization	Category 1
Carcinogenicity	Category 2
Specific target organ toxicity (repeated exposure)	Category 1
Chronic aquatic toxicity	Category 3

Label elements

Emergency Overview

Danger

Hazard statements

May cause an allergic skin reaction Suspected of causing cancer

Causes damage to the respiratory tract through prolonged or repeated exposure if inhaled

Harmful to aquatic life with long lasting effects



Appearance Powder 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 Avoid breathing dust/fume Avoid release to the environment

Precautionary Statements - Response

Wash contaminated clothing before reuse

If skin irritation or rash occurs: Get medical advice/attention

IF ON SKIN: Wash with plenty of soap and water

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing

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. Vanadium pentoxide (V2O5) affects eyes, skin, respiratory system. Soluble molybdenum compounds such as molybdenum trioxide may cause lung irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms

Nickel Alloy Powder, including but not limited to: ATI 249™ Powder, ATI N625 PM™ Powder, ATI 40Ti PM™ Powder, ATI 45Ti PM™ Powder, Alloy 600 Powder, Alloy 690 Powder, and MISC-N Powder.

Chemical Name	CAS No.	Weight-%
Nickel	7440-02-0	49 - <100
Titanium	7440-32-6	0 - 46
Chromium	7440-47-3	0 - 32
Iron	7439-89-6	0 - 21
Molybdenum	7439-98-7	0 - 20
Tungsten	7440-33-7	0 - 10
Vanadium	7440-62-2	0 - 7
Niobium (Columbium)	7440-03-1	0 - 6
Aluminum	7429-90-5	0 - 5.5
Tantalum	7440-25-7	0 - 5
Silicon	7440-21-3	0 - 3
Boron	7440-42-8	0 - 2
Carbon	7440-44-0	0 - 2
Manganese	7439-96-5	0 - 1
Hafnium	7440-58-6	0 - 1

0 - <0 1

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 allergic reactions see a physician. Wash off immediately with soap and

plenty of water.

Inhalation If excessive amounts of smoke, fume, or particulate are inhaled during processing, remove

to fresh air and consult a qualified health professional.

Ingestion IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Most important symptoms and effects, both acute and delayed

Symptoms May cause allergic skin reaction.

Indication of any immediate medical attention and special treatment needed

Note to physiciansTreat 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).

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 processing this product may ignite spontaneously at room temperature. WARNING: Fine particles 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. Vanadium pentoxide (V2O5) affects eyes, skin, respiratory system. 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.

For emergency responders

Use personal protective equipment as required. Follow Emergency Response Guidebook,

Guide No. 171, EXCEPT for FIRE follow Emergency Response Guidebook, Guide No. 170.

Environmental precautions

Environmental precautionsCollect spillage to prevent release to the environment.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Sweep or shovel material into dry containers. Avoid creating uncontrolled dust.

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 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 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

Chemical Name	ACGIH TLV	OSHA PEL
Nickel 7440-02-0	TWA: 1.5 mg/m³ inhalable fraction	TWA: 1 mg/m ³
Titanium 7440-32-6	-	-
Chromium 7440-47-3	TWA: 0.5 mg/m ³	TWA: 1 mg/m ³
Iron 7439-89-6	-	-
Molybdenum 7439-98-7	TWA: 10 mg/m³ inhalable fraction TWA: 3 mg/m³ respirable fraction	-
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
Vanadium 7440-62-2	-	Ceiling: 0.5 mg/m³ V2O5 respirable dust Ceiling: 0.1 mg/m³ V2O5 fume
Niobium (Columbium) 7440-03-1	-	-
Aluminum 7429-90-5	TWA: 1 mg/m³ respirable fraction	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction
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
Carbon 7440-44-0	-	-
Boron 7440-42-8	-	-

Manganese	TWA: 0.02 mg/m³ respirable fraction	(vacated) STEL: 3 mg/m³ fume
7439-96-5	TWA: 0.1 mg/m ³ inhalable fraction TWA:	(vacated) Ceiling: 5 mg/m ³
	0.02 mg/m³ Mn	Ceiling: 5 mg/m³ fume Ceiling: 5 mg/m³
	TWA: 0.1 mg/m ³ Mn	Mn
Hafnium	TWA: 0.5 mg/m ³ TWA: 0.5 mg/m ³ Hf	TWA: 0.5 mg/m ³
7440-58-6		•
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		_

Appropriate engineering controls

Engineering Controls Avoid generation of uncontrolled particles.

Individual protection measures, such 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 protectionWear protective gloves. Fire/flame resistant/retardant clothing may be appropriate during

hot work with the product.

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 stateSolidAppearancePowderOdorOdorlessColorMetallic gray or silverOdor thresholdNot applicable

<u>Property</u> <u>Values</u> <u>Remarks • Method</u>

pH - Not applicable

Melting point / freezing point 1400-1540 °C / 2560-2800 °F

Boiling point / boiling range Flash point -

Evaporation rate - Not applicable

Flammability (solid, gas) - Product not flammable in the form as distributed, flammable as finely divided particles or pieces

resulting from processing of this product

Not applicable

Flammability Limit in Air

Upper flammability limit: Lower flammability limit: -

Vapor pressure-Not applicableVapor density-Not applicable

Specific Gravity 8.0-8.5 Water solubility Insoluble

Water solubility Insoluble
Solubility in other solvents Partition coefficient Autoignition temperature -

Autoignition temperature-Not applicableDecomposition temperature-Not applicableKinematic viscosity-Not applicableDynamic 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. Vanadium pentoxide (V2O5) affects eyes, skin, respiratory system. Soluble molybdenum compounds such as molybdenum trioxide may cause lung irritation.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation Suspected of causing cancer by inhalation. Causes damage to the respiratory tract through

prolonged or repeated exposure if inhaled.

Eye contact Product not classified.

Skin Contact May cause sensitization by skin contact.

Ingestion Product not classified.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Nickel	> 9000 mg/kg bw	-	> 10.2 mg/L
7440-02-0			
Titanium	> 5000 mg/kg bw	-	-
7440-32-6			
Chromium	> 3400 mg/kg bw	-	> 5.41 mg/L
7440-47-3			
Iron	98,600 mg/kg bw	-	> 0.25 mg/L

7439-89-6			
Molybdenum 7439-98-7	> 2000 mg/kg bw	> 2000 mg/kg bw	> 5.10 mg/L
Tungsten 7440-33-7	> 2000 mg/kg bw	> 2000 mg/kg bw	> 5.4 mg/L
Vanadium 7440-62-2	> 2000 mg/kg bw	-	-
Niobium (Columbium) 7440-03-1	> 10,000 mg/kg bw	> 2000 mg/kg bw	-
Aluminum 7429-90-5	15,900 mg/kg bw	-	> 1 mg/L
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
Carbon 7440-44-0	> 2000 mg/kg bw	-	-
Boron 7440-42-8	> 2000 mg/kg bw	-	> 5.08 mg/L
Manganese 7439-96-5	>2000 mg/kg bw	-	>5.14 mg/L
Hafnium 7440-58-6	> 5000 mg/kg bw	-	>4.3mg/L
Cobalt 7440-48-4	550 mg/kg bw	>2000 mg/kg bw	<0.05 mg/L

Information on toxicological effects

Symptoms May cause sensitization by skin contact.

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

Acute toxicityProduct not classified.Skin corrosion/irritationProduct not classified.Serious eye damage/eye irritationProduct not classified.

Sensitization May cause sensitization by skin contact.

Germ cell mutagenicity Product not classified.

Carcinogenicity Suspected of causing cancer by inhalation.

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

Reproductive toxicity Product not classified. **STOT - single exposure** Product not classified.

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

Aspiration hazard Product not classified.

12. ECOLOGICAL INFORMATION

Ecotoxicity

This product as shipped is classified for aquatic chronic toxicity

Chemical Name	Algae/aquatic plants	Fish	Toxicity to	Crustacea
			microorganisms	
Nickel	NOEC/EC10 values range	The 96h LC50s values range	The 30 min EC50 of nickel	The 48h LC50s values range

7440-02-0	to 425 µg/l for Pseudokirchneriella subcapitata.	from 0.4 mg Ni/L for Pimephales promelas to 320 mg Ni/L for Brachydanio rerio.	_	from 0.013 mg Ni/L for Ceriodaphnia dubia to 4970 mg Ni/L for Daphnia magna.
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 o TiO2/L.
Chromium 7440-47-3	-	-	-	-
Iron 7439-89-6	-	The 96 h LC50 of 50% iron oxide black in water to Danio rerio was greater than 10,000 mg/L.	greater than 10,000 mg/L.	The 48 h EC50 of iron oxide to Daphnia magna was greater than 100 mg/L.
Molybdenum 7439-98-7	The 72 h EC50 of sodium molybdate dihydrate to Pseudokirchneriella subcapitata was 362.9 mg of Mo/L.	The 96 h LC50 of sodium molybdate dihydrate to Pimephales promelas was 644.2 mg/L	The 3 h EC50 of molybdenum trioxide for activated sludge was 820 mg/L.	The 48 h LC50 of sodium molybdate dihydrate to Ceriodaphnia dubia was 1,015 mg/L. The 48 h LC50 of sodium molybdate dihydrate to Daphnia magna was greater than 1,727.8 mg/L.
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.
Vanadium 7440-62-2	The 72 h EC50 of vanadium pentoxide to Desmodesmus subspicatus was 2,907 ug of V/L.	The 96 h LC50 of vanadium pentoxide to Pimephales promelas was 1,850 ug of V/L.	The 3 h EC50 of sodium metavanadate for activated sludge was greater than 100 mg/L.	The 48 h EC50 of sodium vanadate to Daphnia magna was 2,661 ug of V/L.
Niobium (Columbium) 7440-03-1	-	-	-	-
Aluminum 7429-90-5	The 96-h EC50 values for reduction of biomass of Pseudokirchneriella subcapitata in AAP-Medium at pH 6, 7, and 8 were estimated as 20.1, 5.4, and 150.6 µg/L, respectively, for dissolved AI.	The 96 h LC50 of aluminum to Oncorhynchus mykiss was 7.4 mg of Al/L at pH 6.5 and 14.6 mg of Al/L at pH 7.5	-	The 48-hr LC50 for Ceriodaphnia dubia exposed to Aluminium chloride increased from 0.72 to greater than 99.6 mg/L with water hardness increasing from 25 to 200 mg/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.		-	-
Carbon 7440-44-0	The 72 h EL50 of Carbon to Pseudokirchneriella subcapitata was greater than 100 mg/L.		The 3 h EC50 of Carbon for activated sludge was 1000 mg/L.	The 48 h EL50 of Carbon to Daphnia magna was greater than 100 mg/L.
Boron 7440-42-8	The 72-h EC50 value for reduction of biomass of Pseudokirchneriella subcapitata exposed to Boric acid at pH 7.5 to 8.3 was 40.2 mg/L.	was 79.7 mg/L with water hardness of 91 mg/L and water pH of 8.0.	The 3 h NOEC of boric acid for activated sludge ranged from 17.5 to 20 mg/L.	The 48-hr LC50 for Ceriodaphnia dubia exposed to Boric acid/borax mixture ranged from 91 to 165 mg/L with pH ranging from 6.7 to 8.4.
Manganese 7439-96-5	The 72 h EC50 of manganese to Desmodesmus subspicatus	The 96 h LC50 of manganese to Oncorhynchus mykiss was	The 3 h EC50 of manganese for activated sludge was greater than 1000 mg/L.	The 48 h EC50 of manganese to Daphnia magna was greater than 1.6

	was 2.8 mg of Mn/L.	greater than 3.6 mg of Mn/L		mg/L.
Hafnium	The 72 h EC50 of hafnium	The 96 h LC50 of Hafnium	-	The 48 h EC50 of Hafnium
7440-58-6	to Pseudokirchneriella	dioxide in water to Danio		dioxide to Daphnia magna
	subcapitata was great than 8	rerio was greater than the		was greater than the
	ug of Hf/L (100% saturated	solubility limit of 0.007 mg		solubility limit of 0.007 mg
	solution).	Hf/L .		Hf/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
				very hard water.

Persistence and degradability

Bioaccumulation

Other adverse effects

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 Disposal should be in accordance with applicable regional, national and local laws and

regulations.

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 Regulated per 49 CFR, if quantity with particles smaller than 100 micrometers (0.004

inches) in an individual package equals or exceeds the reportable quantity (RQ) of 5000

pounds of chromium or 100 pounds of nickel

Proper shipping name UN/ID No. 3077 Environmentally hazardous substance, solid, n.o.s. (nickel alloy powder),

RQ

Hazard Class 9
Packing Group III

Special Provisions 8, 146, 335, A112, B54, B120, IB8, IP3, N20, N91, T1, TP33

Emergency Response Guide No. 171, Except for FIRE follow Guide No. 170

Number

15. REGULATORY INFORMATION

International Inventories

TSCA Complies
DSL/NDSL Complies
EINECS/ELINCS Complies

ENCS Complies **IECSC** Complies **KECL** Complies **PICCS** Not Listed Not Listed AICS

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	49 - <100	0.1
Chromium - 7440-47-3	7440-47-3	0 - 32	1.0
Manganese - 7439-96-5	7439-96-5	0 - 1	1.0
Cobalt - 7440-48-4	7440-48-4	0 - <0.1	0.1

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
Ī	Nickel		X	X	
L	7440-02-0				
ſ	Chromium		X	X	
- 1	7440-47-3			1	

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	
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 ATImaterials.com.

Chemical Name	California Proposition 65	
	•	

North America; English

Nickel - 7440-02-0	Carcinogen
Cobalt - 7440-48-4	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Nickel 7440-02-0	X	X	X
Titanium 7440-32-6	X		
Chromium 7440-47-3	X	X	Х
Molybdenum 7439-98-7	Х	Х	Х
Tungsten 7440-33-7	Х	Х	Х
Vanadium 7440-62-2	Х	X	Х
Aluminum 7429-90-5	Х	Х	Х
Tantalum 7440-25-7	Х	Х	Х
Silicon 7440-21-3	Х	Х	Х
Manganese 7439-96-5	Х	Х	Х
Hafnium 7440-58-6	Х	Х	Х
Cobalt 7440-48-4	Х	Х	Х

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA Health hazards 1 Flammability 0 Instability 0 Physical and Chemical

Properties -

Health hazards 2* Flammability 1 Physical hazards 0 Personal protection X

Chronic Hazard Star Legend *= Chronic Health Hazard

Issue Date28-May-2015Revision Date02-Jul-2024

Revision Note

SDS sections updated: 1, 2, 3, 5, 10

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 ATImaterials.com

from: