

SAFETY DATA SHEET

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Revision Date 15-Jul-2015

Version 1

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

Product identifier Product Name

Titanium Grinder Swarf

Other means of identification Product Code Synonyms

SAC102 None

Recommended use of the chemical and restrictions on use Recommended Use . Uses advised against

Details of the supplier of the safety data sheet

Emergency telephone number Emergency Telephone

Chemtrec: 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label elements

	Emergency Overview	
Appearance Powder	Physical state Solid	Odor Odorless

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: Hexavalent Chromium (Chromium VI) may cause lung, nasal, and/or sinus cancer, Vanadium pentoxide (V2O5) affects eyes, skin, respiratory system, zinc, copper, magnesium, or cadmium fumes may cause metal fume fever, Soluble molybdenum compounds such as molybdenum trioxide may cause lung irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Titanium Dioxide	13463-67-7	40-100
Titanium	7440-32-6	40-100
Aluminum Oxide	1344-28-1	0-35
Zirconium Dioxide	1314-23-4	0-20

Molybdenum	7439-98-7	0.5-15
Aluminum	7429-90-5	0-10
Vanadium	7440-62-2	0-10
Zirconium	7440-67-7	0-10
Iron	7439-89-6	0-5
Tin	7440-31-5	0-5
Chromium	7440-47-3	0-5
Copper	7440-50-8	0-5
Nepheline Syenite	37244-96-5	0-5
Calcium Carbonate	471-34-1	0-2.5
Crystalline Silica, Quartz	14808-60-7	0-2.5
Calcium Silicate	1344-95-2	2.5
Hafnium Dioxide	12055-23-1	0-1
Hafnium	7440-58-6	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	None under normal use conditions.	
Inhalation	If excessive amounts of vapors, smoke, fume, or particles 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	None anticipated.	
Indication of any immediate medical attention and special treatment needed		
Note to physicians	Treat symptomatically.	
5. FIRE-FIGHTING MEASURES		

Suitable extinguishing media

Not flammable in the form of this product as distributed, flammable as finely divided particles or pieces resulting from processing of this product. Smother 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. Vanadium pentoxide (V2O5) affects eyes, skin, respiratory system. Zinc, copper, magnesium, or cadmium fumes may cause metal fumes 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

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved (or equivalent) respirator and full protective 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	See Section 12 for additional ecological information.	
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 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.

Conditions for safe storage, including any incompatibilities

Storage ConditionsKeep 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 materialsDissolves 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
Titanium Dioxide 13463-67-7	TWA: 10 mg/m ³	TWA: 15 mg/m ³ total dust
Titanium 7440-32-6	-	-
Aluminum Oxide 1344-28-1	TWA: 1 mg/m ³ respirable fraction	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction
Zirconium Dioxide 1314-23-4	STEL: 10 mg/m ³ Zr TWA: 5 mg/m ³ Zr	TWA: 5 mg/m ³ Zr (vacated) STEL: 10 mg/m ³ Zr
Molybdenum 7439-98-7	TWA: 10 mg/m ³ inhalable fraction TWA: 3 mg/m ³ respirable fraction	-
Aluminum 7429-90-5	TWA: 1 mg/m ³ respirable fraction	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction
Vanadium	-	Ceiling: 0.5 mg/m ³ V2O5 respirable dust

7440-62-2		Ceiling: 0.1 mg/m ³ V2O5 fume
Zirconium 7440-67-7	STEL: 10 mg/m³ STEL: 10 mg/m³ Zr TWA: 5 mg/m³ TWA: 5 mg/m³ Zr	TWA: 5 mg/m ³ Zr (vacated) STEL: 10 mg/m ³ (vacated) STEL: 10 mg/m ³ Zr
Iron 7439-89-6	-	-
Tin 7440-31-5	TWA: 2 mg/m ³ TWA: 2 mg/m ³ Sn except Tin hydride	TWA: 2 mg/m ³ Sn except oxides
Chromium 7440-47-3	TWA: 0.5 mg/m ³	TWA: 1 mg/m ³
Copper 7440-50-8	TWA: 0.2 mg/m ³ fume TWA: 1 mg/m ³ Cu dust and mist	TWA: 0.1 mg/m ³ fume TWA: 1 mg/m ³ dust and mist
Nepheline Syenite 37244-96-5	-	-
Calcium Carbonate 471-34-1	-	-
Crystalline Silica, Quartz 14808-60-7	TWA: 0.025 mg/m ³ respirable fraction	 : (30)/(%SiO2 + 2) mg/m³ TWA total dust : (250)/(%SiO2 + 5) mppcf TWA respirable fraction : (10)/(%SiO2 + 2) mg/m³ TWA respirable fraction
Calcium Silicate 1344-95-2	TWA: 10 mg/m³ particulate matter containing no asbestos and <1% crystalline silica synthetic nonfibrous	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction
Hafnium Dioxide 12055-23-1	TWA: 0.5 mg/m ³ Hf	-
Hafnium 7440-58-6	TWA: 0.5 mg/m ³ TWA: 0.5 mg/m ³ Hf	TWA: 0.5 mg/m ³

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 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 contaminat 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 Powder White crystalline powder	Odor Odor threshold	Odorless Not applicable
<u>Property</u> pH Melting point/freezing point Boiling point / boiling range Flash point	<u>Values</u> Not Applicable 1580 °C 2880 °F - -	<u>Remarks • Method</u>	

Evaporation rate	-
Flammability (solid, gas)	-
Flammability Limit in Air	
Upper flammability limit:	-
Lower flammability limit:	-
Vapor pressure	-
Vapor density	-
Specific Gravity	-
Water solubility	Insoluble
Solubility in other solvents	-
Partition coefficient	-
Autoignition temperature	-
Decomposition temperature	-
Kinematic viscosity	-
Dynamic viscosity	-
Explosive properties	Not applicable
Oxidizing properties	Not applicable
Other Information	
Softening point	Not Applicable
Molecular weight	Not Applicable
VOC Content (%)	Not applicable
Density	-
Bulk density	-

10. STABILITY AND REACTIVITY

Reactivity

Not applicable

<u>Chemical stability</u> Stable under normal conditions. <u>Possibility of Hazardous Reactions</u> 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	Product not classified.
Eye contact	Product not classified.
Skin Contact	Product not classified.
Ingestion	Product not classified.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Titanium Dioxide	>5,000 mg/kg bw	-	-
13463-67-7			
Titanium 7440-32-6	> 5000 mg/kg bw	-	-
Aluminum Oxide 1344-28-1	15,900 mg/kg bw	-	7.6 mg/L
Zirconium Dioxide 1314-23-4	-	-	-
Molybdenum 7439-98-7	> 2000 mg/kg bw	> 2000 mg/kg bw	> 5.10 mg/L
Aluminum 7429-90-5	15,900 mg/kg bw	-	> 1 mg/L
Vanadium 7440-62-2	> 2000 mg/kg bw	-	-
Zirconium 7440-67-7	5000 mg/kg bw	-	>4.3 mg/L
Iron 7439-89-6	98,600 mg/kg bw	-	> 0.25 mg/L
Tin 7440-31-5	> 2000 mg/kg bw	> 2000 mg/kg bw	> 4.75 mg/L
Chromium 7440-47-3	> 3400 mg/kg bw	-	> 5.41 mg/L
Copper 7440-50-8	481 mg/kg bw	>2000 mg/kg bw	>5.11 mg/L
Nepheline Syenite 37244-96-5	-	-	-
Calcium Carbonate 471-34-1	6450	-	-
Crystalline Silica, Quartz 14808-60-7	5000	-	-
Calcium Silicate 1344-95-2	3400	-	-
Hafnium Dioxide 12055-23-1	>2000 mg/kg bw	-	>4.3 mg/L
Hafnium 7440-58-6	-	-	>4.3mg/L

Information on toxicological effects

Symptoms

None known.

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

Acute toxicity	Product not classified.
Skin corrosion/irritation	Product not classified.
Sensitization	Product not classified.
Germ cell mutagenicity	Product not classified.
Carcinogenicity	Product not classified.

Chemical Name	ACGIH	IARC	NTP	OSHA
Titanium Dioxide 13463-67-7		Group 2B		Х
Chromium 7440-47-3		Group 3		
Crystalline Silica, Quartz 14808-60-7	A2	Group 1	Known	Х

Reproductive toxicity STOT - single exposure STOT - repeated exposure Aspiration hazard Product not classified. Product not classified. Product not classified. Product not classified.

Ecotoxicity

This product contains a chemical which is listed as a severe marine pollutant according to DOT

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Titanium Dioxide 13463-67-7	The 72 h EC50 of titanium dioxide to Pseudokirchnerella subcapitata was 61 mg of TiO2/L.	The 96h LC50s values of titanium dioxide range from greater than 100 mg TiO2/L for Oncorhynchus mykiss to greater than 1000 mg TiO2/L for Pimephales promelas	The 3 h EC50 of titanium dioxide for activated sludge were greater than 1000 mg/L.	The 48 h LC50 of titanium dioxide to Daphnia magna was greater than 100 mg of TiO2/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.
Aluminum Oxide 1344-28-1	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 chloride to Oncorhynchus mykiss ranged from 7.4 mg of Al/L at pH 6.5 to 14.6 mg of Al/L at pH 7.5. The 96-hr LC50 for Pimephales promelas exposed to Aluminum chloride ranged from 1.16 to 44.8 mg/L with water hardness increasing from 25 to 200 mg/L.	-	The 48-hr EC50 for Ceriodaphnia dubia exposed to Aluminium chloride ranged from 1.9 to 2.6 mg/L with pH ranging from 7.42 to 8.13.
Zirconium Dioxide 1314-23-4	-	-	-	-
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.
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.
Vanadium 7440-62-2	The 72 h EC50 of vanadium pentoxide to Desmodesmus subspicatus was 2,907 ug of V/L.	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.
Zirconium 7440-67-7	The 14 d NOEC of zirconium dichloride oxide to Chlorella vulgaris was greater than 102.5 mg of Zr/L.	The 96 h LL50 of zirconium to Danio rerio was greater than 74.03 mg/L.	-	The 48 h EC50 of zirconium dioxide to Daphnia magna was greater than 74.03 mg of Zr/L.
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.	The 3 h EC50 of iron oxide for activated sludge was greater than 10,000 mg/L.	The 48 h EC50 of iron oxide to Daphnia magna was greater than 100 mg/L.
Tin 7440-31-5	The 72 h EC50 of tin chloride pentahydrate to Pseudokirchnerella subcapitata was 9,846 ug of Sn/L	The 7 d LOEC of tin chloride pentahydrate to Pimephales promelas was 827.9 ug of Sn/L	-	The 7 d LC50 of tin chloride pentahydrate to Ceriodaphnia dubia was greater than 3,200 ug of Sn/L.
Chromium 7440-47-3	-	-	-	-

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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 of Cu/L	copper in natural water
	subcapitata ranged between	ranged from 256.2 to 38.4	or 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).
Nepheline Syenite 37244-96-5	-	-	-	-
Calcium Carbonate	-	-	-	-
471-34-1				
Crystalline Silica, Quartz	-	-	-	-
14808-60-7				
Calcium Silicate	-	-	-	-
1344-95-2				
Hafnium Dioxide	The 72 h EC50 of Hafnium	The 96 h LC50 of Hafnium	-	The 48 h EC50 of Hafnium
12055-23-1	dioxide in water to	dioxide in water to Danio		dioxide to Daphnia magna
	Pseudokirchneriella	rerio was greater than the		was greater than the
	subcapitata was was greater	solubility limit of 0.007 mg		solubility limit of 0.007 mg
	than the solubility limit of	Hf/L		Hf/L
	0.008 mg Hf/L			
Hafnium	-	The 96 h LC50 of Hafnium	-	The 48 h EC50 of Hafnium
7440-58-6		dioxide in water to Danio		dioxide to Daphnia magna
		rerio was greater than the		was greater than the
		solubility limit of 0.007 mg		solubility limit of 0.007 mg
		Hf/L .		Hf/L.

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 7440-47-3	5.0 mg/L regulatory level

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 DSL/NDSL	Complies Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
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 %
Aluminum Oxide - 1344-28-1	1344-28-1	0-35	1.0
Copper - 7440-50-8	7440-50-8	0-5	1.0
Chromium - 7440-47-3	7440-47-3	0-5	1.0

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
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
Copper 7440-50-8		X	Х	
Chromium 7440-47-3		Х	Х	

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
Copper 7440-50-8	5000 lb
Chromium 7440-47-3	5000 lb

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

Chemical Name	California Proposition 65

Titanium Dioxide - 13463-67-7	Carcinogen
Crystalline Silica, Quartz - 14808-60-7	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Titanium Dioxide 13463-67-7	Х	X	Х
Titanium 7440-32-6	Х		
Aluminum Oxide 1344-28-1	Х	X	Х
Zirconium Dioxide 1314-23-4		X	
Molybdenum 7439-98-7	Х	X	Х
Zirconium 7440-67-7	Х	X	Х
Vanadium 7440-62-2	Х	X	Х
Aluminum 7429-90-5	Х	X	Х
Tin 7440-31-5	Х	X	Х
Copper 7440-50-8	Х	X	Х
Chromium 7440-47-3	Х	X	Х
Crystalline Silica, Quartz 14808-60-7	Х	X	Х
Calcium Silicate 1344-95-2	Х	X	Х
Hafnium 7440-58-6	Х	X	Х

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION						
NFPA_	Health hazards 0	Flammability 0	Instability 0	Physical and Chemical Properties -		
HMIS	Health hazards 1	Flammability 1	Physical hazards 0	Personal protection X		
Issue Date	16-Jul-20 15-Jul-20					
Revision Date Revision Note	15-Jui-20	515				
New Safety Data Sheet						
Note: The information provid	ed in this safety data s	sheet is correct to the b	est of our knowledge infor	mation and belief at the		

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