

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 06/01/2017 Supersedes: 03/10/2014

Version: 1.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1. Product Identifier

Product Form: Mixture Product Name: Carbon Steel Ingot Product Code: EOS-2

Other means of identification: Alloy

1.2. Intended Use of the Product

Use of the Substance/Mixture: Metal alloy for multiple production uses

1.3. Name, Address, and Telephone of the Responsible Party

Manufacturer Ellwood Quality Steels Company 700 Moravia Street New Castle, PA 16101 T (724) 658-6502

www.elwd.com

1.4. Emergency Telephone Number

Emergency Number

: 1-800-424-9300

CHEMTREC - TOLL FREE 24 HOUR EMERGENCY TELEPHONE NUMBER

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification (GHS-US)

As sold, this product, Carbon Steel Ingot is not hazardous according to the criteria specified under the 29 CFR 1910.1200 Hazard Communication Standard, steel products are considered mixtures due to further processing which may produce dusts and or fumes. Refer to Section 3 and 8 for additional information. Refer to Section 11 for Toxicological Information.

2.2. Label Elements

GHS-US Labeling

Not applicable

2.3. Other Hazards

Other Hazards Not Contributing to the Classification: This product is physiologically inert in its massive form. However, usergenerated dust and/or fumes may pose a physiological hazard if inhaled or ingested. Avoid inhalation of metal dusts and fumes. May cause an influenza-like illness. Avoid skin and eye contact with dusts to prevent mechanical irritation. User-generated dust is easily ignited and difficult to extinguish.

2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

Full text of H-phrases: see section 16

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Iron oxide (Fe2O3)	(CAS No) 1309-37-1	60 - 99	Comb. Dust, H232 Aquatic Chronic 2, H411
Manganese	(CAS No) 7439-96-5	0.2 - 10	Not classified
Silicon	(CAS No) 7440-21-3	0.1 - 3	Comb. Dust, H232 Flam. Sol. 2, H228
Molybdenum	(CAS No) 7439-98-7	0.02 - 1.12	Not classified
Carbon	(CAS No) 7440-44-0	0.05 - 1.1	Comb. Dust, H232
Chromium	(CAS No) 7440-47-3	0.5 - 1	Not classified

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Name	Product identifier	%	Classification (GHS-US)
Nickel	(CAS No) 7440-02-0	0.05 - 0.35	Comb. Dust, H232 Skin Sens. 1, H317 Carc. 2, H351 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
Aluminum oxide	(CAS No) 1344-28-1	0.01 - 0.05	Comb. Dust, H232 Aquatic Acute 3, H402
Titanium dioxide	(CAS No) 13463-67-7	0.001 - 0.01	Comb. Dust, H232

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

First-aid Measures General: If injury occurs or if you feel unwell seek medical advice.

First-aid Measures After Inhalation: If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

First-aid Measures After Skin Contact: Cool skin rapidly with cold water after contact with molten product. Removal of solidified molten material from skin requires medical assistance. Remove contaminated clothing. Wash contaminated clothing before reuse. Obtain medical attention if irritation develops or persists.

First-aid Measures After Eye Contact: Immediately rinse with water for a prolonged period (at least 15 minutes) while holding the eyelids wide open. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

First-aid Measures After Ingestion: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/Injuries: Under normal conditions of use not expected to present a significant hazard. Under milling, or physical alteration metal dusts may be produced that cause irritation of the respiratory tract, skin, and may be harmful. Molten material may release toxic, and irritating fumes.

Symptoms/Injuries After Inhalation: During welding, the most significant route of exposure is by the inhalation (breathing) of welding fumes. If welding fumes are inhaled, they can cause a condition commonly known as metal fume fever with symptoms which resemble influenza. Symptoms may be delayed 4-12 hours and begin with a sudden onset of thirst, and a sweet, metallic or foul taste in the mouth. Other symptoms may include upper respiratory tract irritation accompanied by coughing and a dryness of the mucous membranes, lassitude and a generalized feeling of malaise. Fever, chills, muscular pain, mild to severe headache, nausea, occasional vomiting, exaggerated mental activity, profuse sweating, excessive urination, diarrhea and prostration may also occur.

Symptoms/Injuries After Skin Contact: Dust may cause irritation in skin folds or by contact in combination with tight clothing. Contact with hot, molten metal will cause thermal burns. Arc rays and sparks can burn skin.

Symptoms/Injuries After Eye Contact: Dust generated from material cutting may cause a slight irritation. Slivers may be generated, which could cause mechanical irritation or injure the eye. Dusts caused from milling and physical alteration will likely cause eye irritation. Fumes from thermal decomposition or molten material will likely be irritating to the eyes.

Symptoms/Injuries After Ingestion: If large amounts are ingested: Gastrointestinal irritation.

Chronic Symptoms: In massive form, no hazard exists. If physically altered to present slivers, ribbons, dusts or fumes from molten material: Molten material may produce fumes that are toxic, or irritating, and may cause metal fume fever. When machined or physically altered material may produce dusts or ribbons that may be irritating or harmful.

Chromium: Certain hexavalent chromium compounds have been demonstrated to be carcinogenic on the basis of epidemiological investigations on workers and experimental studies in animals. Increased incidences of respiratory cancer have been found in chromium (VI) workers. There is an increased incidence of lung cancer in industrial workers exposed to chromium (VI) compounds. Please refer to IARC volume 23 for a more detailed discussion.

Nickel: May cause a form of dermatitis known as nickel itch. Intestinal irritation, which may cause disorders, convulsions and asphyxia.

Aluminum: Inhalation of finely divided aluminum powder may cause pulmonary fibrosis.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container or label at hand.

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SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Cover with sand or earth. metal fire extinction powder. Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Do not use water jet. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: In massive form: Not flammable. In powdered form: Metallic dusts may ignite or explode. Fire may produce irritating and/or toxic gases.

Explosion Hazard: In massive form: None known. In powdered form: Combustible dust. Dust clouds can be explosive. Avoid dust clouds in combination with static electricity.

Reactivity: Product itself is not explosive but if dust is generated, dust clouds suspended in air can be explosive.

5.3. Advice for Firefighters

Firefighting Instructions: Do not breathe fumes from fires or vapours from decomposition. Keep upwind.

Protection During Firefighting: Firefighters must use full bunker gear including NIOSH-approved positive-pressure self-contained breathing apparatus to protect against potential hazardous combustion and decomposition products.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

6.1.1. For Non-emergency Personnel

Protective Equipment: Wear eye protection.

Emergency Procedures: Avoid creating or spreading dust. Eliminate ignition sources.

6.1.2. For Emergency Responders

Protective Equipment: Safety glasses.

Emergency Procedures: Ventilate area. Eliminate ignition sources. Evacuate unnecessary personnel.

6.2. Environmental Precautions

Do not allow to enter drains or water courses.

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Contain and collect as any solid.

Methods for Cleaning Up: Avoid generation of dust during clean-up of spills. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Vacuum must be fitted with HEPA filter to prevent release of particulates during clean-up. Use only non-sparking tools. Use explosion-proof equipment.

6.4. Reference to Other Sections See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: Do not handle until all safety precautions have been read and understood. In powdered form: Fine dust dispersed in air may ignite. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

Precautions for Safe Handling: Do not breathe dust. Do not get in eyes, on skin, or on clothing. Avoid creating or spreading dust. Always wash hands after handling the product. Do not eat, drink or smoke when using this product. Ensure there is adequate ventilation. Wear recommended personal protective equipment.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Always wash your hands immediately after handling this product, and once again before leaving the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke in areas where product is used.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Store in original container. Store in a dry, cool place. Store in a well-ventilated place. Keep container tightly closed.

Incompatible Materials: Avoid contact with: strong acids. Mineral acids. Corrosive substances in contact with metals may produce flammable hydrogen gas.

7.3. Specific End Use(s)

Metal alloy for multiple production uses.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Iron oxide (Fe2O3) (1309-37-1)

USA ACGIH ACGIH TWA (mg/m³)

5 mg/m³

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USA NIOSH	NIOSH REL (TWA) (mg/m ³)	5 mg/m ³	
USA IDLH	US IDLH (mg/m ³)	2500 mg/m ³	
USA OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m ³	
Chromium (7	/440-47-3)		
USA ACGIH	ACGIH TWA (mg/m ³)	0.5 mg/m ³	
USA NIOSH	NIOSH REL (TWA) (mg/m³)	0.5 mg/m ³	
USA IDLH	US IDLH (mg/m ³)	250 mg/m ³	
USA OSHA	OSHA PEL (TWA) (mg/m³)	1 mg/m³	
Nickel (7440-	-02-0)		
USA ACGIH	ACGIH TWA (mg/m³)	1.5 mg/m ³	
USA NIOSH	NIOSH REL (TWA) (mg/m³)	0.015 mg/m ³	
USA IDLH	US IDLH (mg/m ³)	10 mg/m³	
USA OSHA	OSHA PEL (TWA) (mg/m³)	1 mg/m³	
Manganese (7439-96-5)			
USA ACGIH	ACGIH TWA (mg/m³)	0.1 mg/m ³	
USA NIOSH	NIOSH REL (TWA) (mg/m³)	1 mg/m³	
USA NIOSH	NIOSH REL (STEL) (mg/m ³)	3 mg/m ³	
USA IDLH	US IDLH (mg/m³)	500 mg/m³	
USA OSHA	OSHA PEL (Ceiling) (mg/m ³)	5 mg/m³	
Molybdenun	n (7439-98-7)		
USA ACGIH	ACGIH TWA (mg/m³)	3 mg/m ³	
USA IDLH	US IDLH (mg/m³)	5000 mg/m³	
Silicon (7440	Silicon (7440-21-3)		
USA NIOSH	NIOSH REL (TWA) (mg/m³)	5 mg/m³	
USA OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m³	
Titanium dioxide (13463-67-7)			
USA ACGIH	ACGIH TWA (mg/m³)	10 mg/m ³	
USA IDLH	US IDLH (mg/m³)	5000 mg/m ³	
USA OSHA	OSHA PEL (TWA) (mg/m³)	15 mg/m³	
Aluminum ox	kide (1344-28-1)		
USA OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³	
8.2. Exp	osure Controls	· · · · · · · · · · · · · · · · · · ·	

8.2. Exposure Controls

Appropriate Engineering Controls

: Ensure adequate ventilation, especially in confined areas. In powdered form: Avoid dust production. Take precautionary measures against static discharges. Use explosion-proof equipment.

Personal Protective Equipment

: During metal processing: Safety glasses. Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection.



Hand Protection Eye Protection Respiratory Protection

: Impermeable protective gloves.

- : Safety glasses.
 - : Fumes and dust: If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1.	Information on Basic Physical and Chemical Properties
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Physical State	: Solid
Appearance	: Gray. Ingots.
Color	: Metallic,Silver,Gray
Odor	: Odorless.
Odor Threshold	: No data available

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рН	: No data available
Relative Evaporation Rate (butylacetate=1)	: No data available
Melting Point	: 1537 °C (2800 °F)
Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: No data available
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor Pressure	: No data available
Relative Vapor Density at 20 °C	: No data available
Relative Density	: 7.6 - 7.8
Specific Gravity	: Not available
Solubility	: Water: Insoluble
Log Pow	: No data available
Log Kow	: No data available
Viscosity, Kinematic	: No data available
Viscosity, Dynamic	: No data available
Explosive Properties	: No data available
Oxidizing Properties	: None.
Explosive Limits	: No data available
9.2. Other Information	
VOC content : 0 %	

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Product itself is not explosive but if dust is generated, dust clouds suspended in air can be explosive.

10.2 Chemical Stability: Product is stable.

10.3 Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

10.4 Conditions to Avoid: Dust, chips, or ribbons can be ignited more easily, by an ignition source, by improper machining, or by spontaneous combustion if finely divided and damp.

10.5 Incompatible Materials: Incompatible with : strong acids. Mineral acids. Corrosive substances in contact with metals may produce flammable hydrogen gas.

10.6 Hazardous Decomposition Products: Under conditions of fire this material may produce: Metal oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

Acute Toxicity: Not classified

Iron oxide (Fe2O3) (1309-37-1)		
LD50 Oral Rat	> 10000 mg/kg	
Nickel (7440-02-0)		
LD50 Oral Rat	> 9000 mg/kg	
Manganese (7439-96-5)		
ATE (Oral)	9000.000 mg/kg body weight	
Titanium dioxide (13463-67-7)		
LD50 Oral Rat	> 10000 mg/kg	
Aluminum oxide (1344-28-1)		
LD50 Oral Rat	> 15900 mg/kg	
LC50 Inhalation Rat (mg/l)	> 2.3 mg/l/4h	
Carbon (7440-44-0)		
LD50 Oral Rat	> 10000 mg/kg	
Skin Corrosion/Irritation: Not classified		

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Serious Eye Damage/Irritation: Not classified

Respiratory or Skin Sensitization: Not classified.

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified.

Iron oxide (Fe2O3) (1309-37-1)		
IARC group	3	
Chromium (7440-47-3)		
IARC group	3	
Nickel (7440-02-0)		
IARC group	2B	
National Toxicity Program (NTP) Status	Reasonably anticipated to be Human Carcinogen.	
Titanium dioxide (13463-67-7)		
IARC group	2B	

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified.

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: During welding, the most significant route of exposure is by the inhalation (breathing) of welding fumes. If welding fumes are inhaled, they can cause a condition commonly known as metal fume fever with symptoms which resemble influenza. Symptoms may be delayed 4-12 hours and begin with a sudden onset of thirst, and a sweet, metallic or foul taste in the mouth. Other symptoms may include upper respiratory tract irritation accompanied by coughing and a dryness of the mucous membranes, lassitude and a generalized feeling of malaise. Fever, chills, muscular pain, mild to severe headache, nausea, occasional vomiting, exaggerated mental activity, profuse sweating, excessive urination, diarrhea and prostration may also occur.

Symptoms/Injuries After Skin Contact: Dust may cause irritation in skin folds or by contact in combination with tight clothing. Contact with hot, molten metal will cause thermal burns. Arc rays and sparks can burn skin.

Symptoms/Injuries After Eye Contact: Dust generated from material cutting may cause a slight irritation. Slivers may be generated, which could cause mechanical irritation or injure the eye. Dusts caused from milling and physical alteration will likely cause eye irritation. Fumes from thermal decomposition or molten material will likely be irritating to the eyes. Symptoms/Injuries After Ingestion: If large amounts are ingested: Gastrointestinal irritation.

Chronic Symptoms: In massive form, no hazard exists. If physically altered to present slivers, ribbons, dusts or fumes from molten material: Molten material may produce fumes that are toxic, or irritating, and may cause metal fume fever. When machined or physically altered material may produce dusts or ribbons that may be irritating or harmful.

Chromium: Certain hexavalent chromium compounds have been demonstrated to be carcinogenic on the basis of epidemiological investigations on workers and experimental studies in animals. Increased incidences of respiratory cancer have been found in chromium (VI) workers. There is an increased incidence of lung cancer in industrial workers exposed to chromium (VI) compounds. Please refer to IARC volume 23 for a more detailed discussion.

Nickel: May cause a form of dermatitis known as nickel itch. Intestinal irritation, which may cause disorders, convulsions and asphyxia.

Aluminum: Inhalation of finely divided aluminum powder may cause pulmonary fibrosis.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Nickel (7440-02-0)			
LC50 Fish 1	100 mg/l (Exposure time: 96 h - Species: Brachydanio rerio)		
EC50 Daphnia 1	100 mg/l (Exposure time: 48 h - Species: Daphnia magna)	100 mg/l (Exposure time: 48 h - Species: Daphnia magna)	
EC50 Other Aquatic Organisms 1	0.18 mg/l (Exposure time: 72 h - Species: Pseudokirchneriella subcapitata)		
LC 50 Fish 2	1.3 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [semi-static])		
EC50 Daphnia 2	1 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])		
EC50 Other Aquatic Organisms 2	0.174 (0.174 - 0.311) mg/l (Exposure time: 96 h - Species: Pseudokirchneriella		
	subcapitata [static])		
Aluminum oxide (1344-28-1)			
LC50 Fish 1	14.6 mg/l		
EC50 Daphnia 1	38.2 mg/l		
NOEC (acute)	> 50 mg/l		
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12.2. Persistence and Degradability

Carbon Steel Ingot

Persistence and Degradability Not readily biodegradable.

12.3. **Bioaccumulative Potential** No additional information available

12.4. Mobility in Soil No additional information available

12.5. **Other Adverse Effects**

No additional information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Sewage Disposal Recommendations: Do not empty into drains; dispose of this material and its container in a safe way.

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

SECTION 14: TRANSPORT INFORMATION

14.1 In Accordance with DOT Not regulated for transport

14.2 In Accordance with IMDG Not regulated for transport

14.3 In Accordance with IATA Not regulated for transport

SECTION 15: REGULATORY INFORMATION

US Federal Regulations 15.1

Carbon Steel Ingot SARA Section 311/312 Hazard Classes

Fire hazard

1.0 %

Iron oxide (Fe2O3) (1309-37-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Chromium (7440-47-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on SARA Section 313 (Specific toxic chemical listings)

SARA Section 313 - Emission Reporting Nickel (7440-02-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on the onited states is call toxic substances control Act, inventory		
Listed on SARA Section 313 (Specific toxic chemical listing	s)	
RQ (Reportable quantity, section 304 of EPA's List of	100 lb (only applicable if particles are < 100 μ m)	
Lists) :		
SARA Section 313 - Emission Reporting	0.1 %	
Manganese (7439-96-5)		
Listed on the United States TSCA (Toxic Substances Contro	ol Act) inventory	
Listed on SARA Section 313 (Specific toxic chemical listings)		
SARA Section 313 - Emission Reporting	1.0 %	
Molybdenum (7439-98-7)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory		
Silicon (7440-21-3)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory		
Titanium dioxide (13463-67-7)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory		
Aluminum oxide (1344-28-1)		

Aluminum oxide (1344-28-1) Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on SARA Section 313 (Specific toxic chemical listings)

SARA Section 313 - Emission Reporting 1.0 % (fibrous forms)

Carbon (7440-44-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2 **US State Regulations**

Carbon Steel Ingot()

U.S. - California - Proposition 65 - Carcinogens List WARNING: This product contains chemicals known to the State of

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	California to cause cancer.	
State or local regulations	WARNING! This product contains one or more substances known to	
	the State of California to cause:	
	Cancer	
Nickel (7440-02-0)		
U.S California - Proposition 65 - Carcinogens List	WARNING: This product contains chemicals known to the State of	
	California to cause cancer.	
Titanium dioxide (13463-67-7)		
U.S California - Proposition 65 - Carcinogens List	WARNING: This product contains chemicals known to the State of	
	California to cause cancer.	
Iron oxide (Fe2O3) (1309-37-1)		
U.S Massachusetts - Right To Know List		
U.S New Jersey - Right to Know Hazardous Substance Li	st	
U.S Pennsylvania - RTK (Right to Know) List		
Chromium (7440-47-3)		
U.S Massachusetts - Right To Know List		
U.S New Jersey - Right to Know Hazardous Substance Li	st	
U.S Pennsylvania - RTK (Right to Know) List		
Nickel (7440-02-0)		
U.S Massachusetts - Right To Know List		
U.S New Jersey - Right to Know Hazardous Substance Li	st	
U.S Pennsylvania - RTK (Right to Know) List		
Manganese (7439-96-5)		
U.S Massachusetts - Right To Know List		
U.S New Jersey - Right to Know Hazardous Substance Li	ist	
U.S Pennsylvania - RTK (Right to Know) List		
Molybdenum (7439-98-7)		
U.S Massachusetts - Right To Know List		
U.S New Jersey - Right to Know Hazardous Substance Li	ist	
U.S Pennsylvania - RTK (Right to Know) List		
Silicon (7440-21-3)		
U.S Massachusetts - Right To Know List		
U.S New Jersey - Right to Know Hazardous Substance List		
U.S Pennsylvania - RTK (Right to Know) List		
Titanium dioxide (13463-67-7)		
U.S Massachusetts - Right To Know List		
U.S New Jersey - Right to Know Hazardous Substance List		
U.S Pennsylvania - RTK (Right to Know) List		
Aluminum oxide (1344-28-1)		
U.S Massachusetts - Right To Know List		
U.S New Jersey - Right to Know Hazardous Substance Li	ist	
U.S Pennsylvania - RTK (Right to Know) List		

SECTION 16: OTHER INFORMATION

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Other Information

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Carc. 2	Carcinogenicity Category 2
Comb. Dust	Combustible Dust

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	Flam. Sol. 2		Flammable solids Category 2
	Skin Sens. 1		Skin sensitization Category 1
	STOT RE 1		Specific target organ toxicity (repeated exposure) Category 1
	STOT RE Not classified		Specific target organ toxicity (repeated exposure) Not classified
	H228		Flammable solid
	H232		May form combustible dust concentrations in air
	H317		May cause an allergic skin reaction
	H351		Suspected of causing cancer
	H372		Causes damage to organs through prolonged or repeated exposure
	H400		Very toxic to aquatic life
	H402		Harmful to aquatic life
	H411		Toxic to aquatic life with long lasting effects
	H412		Harmful to aquatic life with long lasting effects
NFPA health hazard : 1 - Exposure		: 1 - Exposure	e could cause irritation but only minor
residual in		residual inju	ury even if no treatment is given.
NFPA fire hazard : 0 - Materials		: 0 - Material	is that will not burn.
NFPA reactivity : 0 - Normally		: 0 - Normall	y stable, even under fire exposure 2
		conditions,	and are not reactive with water.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

SDS US (GHS HazCom) - US Only 10 pt 2