



SAFETY DATA SHEET

1. Product and Company Identification

Product identifier	Lava Rock Natural Cinders
Other means of identification	Not available
Recommended use	Decorative rock, Biofilter
Recommended restrictions	None known.
Manufacturer	Red Hill Lava Products, Inc. PO Box 925 Milan, IL 61264 Fax: 309-787-2734 Phone: 309-756-2192

2. Hazards Identification

Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Not classified.
OSHA defined hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	None.
Hazard statement	The mixture does not meet the criteria for classification.
Precautionary statement	
Prevention	Observe good industrial hygiene practices.
Response	Wash hands after handling.
Storage	Store away from incompatible materials.
Disposal	Dispose of waste and residues in accordance with local authority requirements.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	Not applicable.

3. Composition/Information on Ingredients

Mixture

Chemical name	Common name and synonyms	CAS number	%
Aluminum		7429-90-5	<0.1
Antimony		7440-36-0	<0.1
Arsenic		7440-38-2	<0.1
Barium		7440-39-3	<0.1
Beryllium		7440-41-7	<0.1
Boron		7440-42-8	<0.1
Cadmium		7440-43-9	<0.1
Chloride		16887-00-6	<0.1
Chromium		7440-47-3	<0.1
Copper		7440-50-8	<0.1
Iron		7439-89-6	<0.1
Lead		7439-92-1	<0.1
Manganese		7439-96-5	<0.1
Mercury		7439-97-6	<0.1
Molybdenum		7439-98-7	<0.1
Nickel		7440-02-0	<0.1
Nitrogen		7727-37-9	<0.1

Chemical name	Common name and synonyms	CAS number	%
Selenium		7782-49-2	<0.1
Silver		7440-22-4	<0.1
Sulfate		14808-79-8	<0.1
Thallium		7440-28-0	<0.1
Zinc, elemental		7440-66-6	<0.1

Composition comments Non-hazardous by OSHA criteria
 ** Contains trace amounts of aluminum, antimony, arsenic, barium, beryllium, boron, cadmium, chloride, chromium, copper, iron, lead, manganese, mercury, molybdenum, nickel, nitrogen, selenium, silver, sulfate, thallium, zinc.

4. First Aid Measures

Inhalation If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

Skin contact Rinse skin with water/shower. Get medical attention if irritation develops and persists.

Eye contact Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.

Ingestion Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.

Most important symptoms/effects, acute and delayed Direct contact with eyes may cause temporary irritation.

Indication of immediate medical attention and special treatment needed Treat symptomatically.

General information If you feel unwell, seek immediate medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Keep out of reach of children.

5. Fire Fighting Measures

Suitable extinguishing media Material will not burn.

Unsuitable extinguishing media Not available.

Specific hazards arising from the chemical Not available.

Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire-fighting equipment/instructions Not available.

Specific methods Not available.

General fire hazards No unusual fire or explosion hazards noted.

Hazardous combustion products May include and are not limited to: Oxides of nitrogen. Oxides of carbon.

Explosion data

Sensitivity to mechanical impact Not available.

Sensitivity to static discharge Not available.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up Before attempting clean up, refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Rinse area with water. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. For waste disposal, see section 13 of the SDS.

Environmental precautions No special environmental precautions required.

7. Handling and Storage

Precautions for safe handling	Avoid breathing dust. Avoid prolonged exposure. Use with adequate ventilation. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children.

8. Exposure Controls/Personal Protection

Occupational exposure limits

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Components	Type	Value
Arsenic (CAS 7440-38-2)	TWA	0.01 mg/m3
Cadmium (CAS 7440-43-9)	TWA	0.005 mg/m3
Lead (CAS 7439-92-1)	TWA	0.05 mg/m3

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Aluminum (CAS 7429-90-5)	PEL	5 mg/m3	Respirable dust.
		15 mg/m3	Total dust.
Antimony (CAS 7440-36-0)	PEL	0.5 mg/m3	
Chromium (CAS 7440-47-3)	PEL	1 mg/m3	
Copper (CAS 7440-50-8)	PEL	1 mg/m3	Dust and mist.
		0.1 mg/m3	Fume.
Manganese (CAS 7439-96-5)	Ceiling	5 mg/m3	Fume.
Molybdenum (CAS 7439-98-7)	PEL	15 mg/m3	Total dust.
Nickel (CAS 7440-02-0)	PEL	1 mg/m3	
Selenium (CAS 7782-49-2)	PEL	0.2 mg/m3	
Silver (CAS 7440-22-4)	PEL	0.01 mg/m3	
Thallium (CAS 7440-28-0)	PEL	0.1 mg/m3	

US. OSHA Table Z-2 (29 CFR 1910.1000)

Components	Type	Value	Form
Beryllium (CAS 7440-41-7)	Ceiling	0.005 mg/m3	
		TWA	0.002 mg/m3
Cadmium (CAS 7440-43-9)	Ceiling	0.6 mg/m3	Dust.
		0.3 mg/m3	Fume.
		TWA	0.2 mg/m3 0.1 mg/m3
Mercury (CAS 7439-97-6)	Ceiling	0.1 mg/m3	

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Aluminum (CAS 7429-90-5)	TWA	1 mg/m3	Respirable fraction.
Antimony (CAS 7440-36-0)	TWA	0.5 mg/m3	
Arsenic (CAS 7440-38-2)	TWA	0.01 mg/m3	
Barium (CAS 7440-39-3)	TWA	0.5 mg/m3	
Beryllium (CAS 7440-41-7)	TWA	0.00005 mg/m3	Inhalable fraction.
Cadmium (CAS 7440-43-9)	TWA	0.01 mg/m3	
		0.002 mg/m3	Respirable fraction.
Chromium (CAS 7440-47-3)	TWA	0.5 mg/m3	
Copper (CAS 7440-50-8)	TWA	1 mg/m3	Dust and mist.
		0.2 mg/m3	Fume.
Lead (CAS 7439-92-1)	TWA	0.05 mg/m3	
Manganese (CAS 7439-96-5)	TWA	0.1 mg/m3	Inhalable fraction.
		0.02 mg/m3	Respirable fraction.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Mercury (CAS 7439-97-6)	TWA	0.025 mg/m3	
Molybdenum (CAS 7439-98-7)	TWA	3 mg/m3	Respirable fraction.
		10 mg/m3	Inhalable fraction.
Nickel (CAS 7440-02-0)	TWA	1.5 mg/m3	Inhalable fraction.
Selenium (CAS 7782-49-2)	TWA	0.2 mg/m3	
Silver (CAS 7440-22-4)	TWA	0.1 mg/m3	Dust and fume.
Thallium (CAS 7440-28-0)	TWA	0.02 mg/m3	Inhalable fraction.

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Components	Type	Value	Form
Aluminum (CAS 7429-90-5)	TWA	5 mg/m3	Respirable.
		5 mg/m3	Welding fume or pyrophoric powder.
		10 mg/m3	Total
Antimony (CAS 7440-36-0)	TWA	0.5 mg/m3	
Arsenic (CAS 7440-38-2)	Ceiling	0.002 mg/m3	
Beryllium (CAS 7440-41-7)	Ceiling	0.0005 mg/m3	
Chromium (CAS 7440-47-3)	TWA	0.5 mg/m3	
Copper (CAS 7440-50-8)	TWA	1 mg/m3	Dust and mist.
Lead (CAS 7439-92-1)	TWA	0.05 mg/m3	
Manganese (CAS 7439-96-5)	STEL	3 mg/m3	Fume.
	TWA	1 mg/m3	Fume.
Mercury (CAS 7439-97-6)	Ceiling	0.1 ppm	Vapor.
	TWA	0.05 mg/m3	Vapor.
Nickel (CAS 7440-02-0)	TWA	0.015 mg/m3	
Selenium (CAS 7782-49-2)	TWA	0.2 mg/m3	
Silver (CAS 7440-22-4)	TWA	0.01 mg/m3	Dust.
Thallium (CAS 7440-28-0)	TWA	0.1 mg/m3	

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Arsenic (CAS 7440-38-2)	35 µg/l	Inorganic arsenic, plus methylated metabolites, as As	Urine	*
Cadmium (CAS 7440-43-9)	5 µg/g	Cadmium	Creatinine in urine	*
	5 µg/l	Cadmium	Blood	*
Lead (CAS 7439-92-1)	300 µg/l	Lead	Blood	*
Mercury (CAS 7439-97-6)	20 µg/g	Total inorganic mercury	Creatinine in urine	*

* - For sampling details, please see the source document.

Exposure guidelines

Chemicals listed in section 3 that are not listed here do not have established limit values for ACGIH or OSHA PEL.

Appropriate engineering controls

Ensure adequate ventilation.

Individual protection measures, such as personal protective equipment

Eye/face protection

Safety goggles or glasses.

Skin protection

Hand protection

Impervious gloves. Confirm with reputable supplier first.

Other

Wear suitable protective clothing.

Respiratory protection

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

Thermal hazards

Not applicable.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. When using do not eat or drink.

9. Physical and Chemical Properties

Appearance	Porous lava
Physical state	Solid.
Form	granular Solid.
Color	grey / Black to Red
Odor	None
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Pour point	Not available.
Specific gravity	Not available.
Partition coefficient (n-octanol/water)	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

10. Stability and Reactivity

Reactivity	Do not mix with incompatible materials.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Contact with incompatible materials. In dust form, this product is explosive in presence of open flames, sparks and static discharge.
Incompatible materials	None known.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon. Oxides of nitrogen.

11. Toxicological Information

Routes of exposure	Inhalation. Eye, Skin contact, Inhalation, Ingestion.
Information on likely routes of exposure	
Ingestion	May cause stomach distress, nausea or vomiting.
Inhalation	Prolonged inhalation may be harmful.
Skin contact	No adverse effects due to skin contact are expected.

US ACGIH Threshold Limit Values: Skin designation

Beryllium (CAS 7440-41-7)
Mercury (CAS 7439-97-6)
Thallium (CAS 7440-28-0)

IFR Be Can be absorbed through the skin.
Hg Can be absorbed through the skin.
IFR TI Can be absorbed through the skin.

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Mercury (CAS 7439-97-6)
Thallium (CAS 7440-28-0)

VAP Hg Can be absorbed through the skin.
TI Can be absorbed through the skin.

Eye contact Direct contact with eyes may cause temporary irritation.

Symptoms related to the physical, chemical and toxicological characteristics Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity

Components	Species	Test Results
Aluminum (CAS 7429-90-5)		
Acute		
LD50	Not available	
<i>Inhalation</i>		
LC50	Rat	> 1000 mg/m3
Antimony (CAS 7440-36-0)		
Acute		
<i>Dermal</i>		
LD50	Not available	
<i>Oral</i>		
LD50	Rat	7000 mg/kg
Arsenic (CAS 7440-38-2)		
Acute		
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Mouse	145 mg/kg
	Rat	763 mg/kg
Barium (CAS 7440-39-3)		
Acute		
<i>Dermal</i>		
LD50	Not available	
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Not available	
Beryllium (CAS 7440-41-7)		
Acute		
<i>Dermal</i>		
LD50	Not available	
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Not available	
Boron (CAS 7440-42-8)		
Acute		
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rat	350 mg/kg
Cadmium (CAS 7440-43-9)		
Acute		
<i>Dermal</i>		
LD50	Not available	

Components	Species	Test Results
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Mouse	890 mg/kg
	Rat	225 mg/kg
Chloride (CAS 16887-00-6)		
Acute		
<i>Dermal</i>		
LD50	Not available	
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Not available	
Chromium (CAS 7440-47-3)		
Acute		
<i>Dermal</i>		
LD50	Not available	
Copper (CAS 7440-50-8)		
Acute		
<i>Dermal</i>		
LD50	Not available	
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Not available	
Iron (CAS 7439-89-6)		
Acute		
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rat	984 mg/kg
Lead (CAS 7439-92-1)		
Acute		
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Not available	
Manganese (CAS 7439-96-5)		
Acute		
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Mouse	1715 mg/kg
	Rat	9000 mg/kg
Mercury (CAS 7439-97-6)		
Acute		
<i>Inhalation</i>		
LC50	Rat	2.3 ppm, 4 hr
<i>Oral</i>		
LD50	Not available	
Molybdenum (CAS 7439-98-7)		
Acute		
<i>Dermal</i>		
LD50	Not available	

Components	Species	Test Results
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Not available	
Nickel (CAS 7440-02-0)		
Acute		
<i>Dermal</i>		
LD50	Not available	
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Not available	
Nitrogen (CAS 7727-37-9)		
Acute		
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Not available	
Selenium (CAS 7782-49-2)		
Acute		
<i>Dermal</i>		
LD50	Not available	
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Not available	
Silver (CAS 7440-22-4)		
Acute		
<i>Dermal</i>		
LD50	Rat	> 2000 mg/kg
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg 2000 mg/kg
Sulfate (CAS 14808-79-8)		
Acute		
<i>Dermal</i>		
LD50	Not available	
<i>Inhalation</i>		
LC50	Not available	
Thallium (CAS 7440-28-0)		
Acute		
<i>Dermal</i>		
LD50	Not available	
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Not available	
Zinc, elemental (CAS 7440-66-6)		
Acute		
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rat	630 mg/kg
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.	

Exposure minutes	Not available.
Erythema value	Not available.
Oedema value	Not available.
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.
Corneal opacity value	Not available.
Iris lesion value	Not available.
Conjunctival reddening value	Not available.
Conjunctival oedema value	Not available.
Recover days	Not available.

Respiratory or skin sensitization

Respiratory sensitization	Not available.
Skin sensitization	This product is not expected to cause skin sensitization.

US ACGIH Threshold Limit Values: Skin designation

Beryllium (CAS 7440-41-7)	IFR Be Can be absorbed through the skin.
Mercury (CAS 7439-97-6)	Hg Can be absorbed through the skin.
Thallium (CAS 7440-28-0)	IFR TI Can be absorbed through the skin.

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Mercury (CAS 7439-97-6)	VAP Hg Can be absorbed through the skin.
Thallium (CAS 7440-28-0)	TI Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

Beryllium (CAS 7440-41-7)	IFR Be Can be absorbed through the skin.
Mercury (CAS 7439-97-6)	Hg Can be absorbed through the skin.
Thallium (CAS 7440-28-0)	IFR TI Can be absorbed through the skin.

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Mercury (CAS 7439-97-6)	VAP Hg Can be absorbed through the skin.
Thallium (CAS 7440-28-0)	TI Can be absorbed through the skin.

Germ cell mutagenicity Not classified.

Mutagenicity Not classified.

Carcinogenicity See below.

ACGIH Carcinogens

Aluminum (CAS 7429-90-5)	A4 Not classifiable as a human carcinogen.
Arsenic (CAS 7440-38-2)	A1 Confirmed human carcinogen.
Barium (CAS 7440-39-3)	A4 Not classifiable as a human carcinogen.
Beryllium (CAS 7440-41-7)	A1 Confirmed human carcinogen.
Cadmium (CAS 7440-43-9)	A2 Suspected human carcinogen.
Chromium (CAS 7440-47-3)	A4 Not classifiable as a human carcinogen.
Lead (CAS 7439-92-1)	A3 Confirmed animal carcinogen with unknown relevance to humans.
Manganese (CAS 7439-96-5)	A4 Not classifiable as a human carcinogen.
Mercury (CAS 7439-97-6)	A4 Not classifiable as a human carcinogen.
Molybdenum (CAS 7439-98-7)	A3 Confirmed animal carcinogen with unknown relevance to humans.
Nickel (CAS 7440-02-0)	A5 Not suspected as a human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity

Arsenic (CAS 7440-38-2)	Volume 23, Supplement 7, Volume 100C 1 Carcinogenic to humans.
Beryllium (CAS 7440-41-7)	Volume 58, Volume 100C 1 Carcinogenic to humans.
Cadmium (CAS 7440-43-9)	Volume 58, Volume 100C 1 Carcinogenic to humans.
Chromium (CAS 7440-47-3)	Volume 49 - 3 Not classifiable as to carcinogenicity to humans.
Lead (CAS 7439-92-1)	Volume 23, Supplement 7 - 2B Possibly carcinogenic to humans.
Mercury (CAS 7439-97-6)	Volume 58 - 3 Not classifiable as to carcinogenicity to humans.
Nickel (CAS 7440-02-0)	Volume 49 - 2B Possibly carcinogenic to humans.
Selenium (CAS 7782-49-2)	Volume 9, Supplement 7 - 3 Not classifiable as to carcinogenicity to humans.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Arsenic (CAS 7440-38-2)	Carcinogenic.
Beryllium (CAS 7440-41-7)	Carcinogenic.
Cadmium (CAS 7440-43-9)	Carcinogenic.
Lead (CAS 7439-92-1)	Carcinogenic.
Nickel (CAS 7440-02-0)	Carcinogenic.

US NTP Report on Carcinogens: Anticipated carcinogen

Lead (CAS 7439-92-1)

Reasonably Anticipated to be a Human Carcinogen.

Nickel (CAS 7440-02-0)

Reasonably Anticipated to be a Human Carcinogen.

US NTP Report on Carcinogens: Known carcinogen

Arsenic (CAS 7440-38-2)

Known To Be Human Carcinogen.

Beryllium (CAS 7440-41-7)

Known To Be Human Carcinogen.

Cadmium (CAS 7440-43-9)

Known To Be Human Carcinogen.

Nickel (CAS 7440-02-0)

Known To Be Human Carcinogen.

Reproductive toxicity	Not classified.
Teratogenicity	Not classified.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not classified.
Chronic effects	Prolonged inhalation may be harmful.
Further information	This product has no known adverse effect on human health.
Name of Toxicologically Synergistic Products	Not available.

12. Ecological Information

Ecotoxicity See below

Components		Species	Test Results
Aluminum (CAS 7429-90-5)			
Aquatic			
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	0.16 mg/L, 96 hours
Antimony (CAS 7440-36-0)			
Aquatic			
Fish	LC50	Sheepshead minnow (Cyprinodon variegatus)	6.2 - 8.3 mg/L, 96 hours
Arsenic (CAS 7440-38-2)			
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	9.9 mg/L, 96 hours
Barium (CAS 7440-39-3)			
Aquatic			
Fish	LC50	Sheepshead minnow (Cyprinodon variegatus)	> 500 mg/L, 96 hours
Cadmium (CAS 7440-43-9)			
Crustacea	EC50	Daphnia	0.024 mg/L, 48 Hours
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	0.025 mg/L, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	0.002 - 0.003 mg/L, 96 hours
Chromium (CAS 7440-47-3)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	0.01 - 0.7 mg/L, 48 hours
Fish	LC50	Carp (Cyprinus carpio)	14.3 mg/L, 96 hours
Copper (CAS 7440-50-8)			
Algae	IC50	Algae	0.048 mg/L, 72 Hours
Crustacea	EC50	Daphnia	0.03 mg/L, 48 Hours
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	0.036 mg/L, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	0.032 - 0.054 mg/L, 96 hours

Components	Species		Test Results
Iron (CAS 7439-89-6)			
Aquatic			
Fish	LC50	Channel catfish (<i>Ictalurus punctatus</i>)	> 500 mg/L, 96 hours
Lead (CAS 7439-92-1)			
Aquatic			
Fish	LC50	Rainbow trout,donaldson trout (<i>Oncorhynchus mykiss</i>)	1.17 mg/L, 96 hours
Manganese (CAS 7439-96-5)			
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	40 mg/L, 48 hours
Mercury (CAS 7439-97-6)			
Aquatic			
Fish	LC50	Indian catfish (<i>Heteropneustes fossilis</i>)	0.099 mg/L, 96 hours 0.099 mg/L, 96 hours
Molybdenum (CAS 7439-98-7)			
Aquatic			
Fish	LC50	Rainbow trout,donaldson trout (<i>Oncorhynchus mykiss</i>)	800 mg/L, 96 hours
Nickel (CAS 7440-02-0)			
Algae	IC50	Algae	0.18 mg/L, 72 Hours
Crustacea	EC50	Daphnia	100 mg/L, 48 Hours
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	1 mg/L, 48 hours
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>)	2.923 mg/L, 96 hours
Selenium (CAS 7782-49-2)			
Aquatic			
Fish	LC50	Rainbow trout,donaldson trout (<i>Oncorhynchus mykiss</i>)	11.5 mg/L, 96 hours
Silver (CAS 7440-22-4)			
Crustacea	EC50	Daphnia	0 mg/L, 48 Hours
Aquatic			
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>)	0.002 - 0.003 mg/L, 96 hours
Thallium (CAS 7440-28-0)			
Aquatic			
Fish	LC50	Sheepshead minnow (<i>Cyprinodon variegatus</i>)	17 - 27 mg/L, 96 hours
Zinc, elemental (CAS 7440-66-6)			
Algae	IC50	Algae	0.191 mg/L, 72 Hours
Crustacea	EC50	Daphnia	0.524 mg/L, 48 Hours
Aquatic			
Fish	LC50	Rainbow trout,donaldson trout (<i>Oncorhynchus mykiss</i>)	0.56 mg/L, 96 hours
Persistence and degradability	No data is available on the degradability of this product.		
Bioaccumulative potential	No data available.		
US CWA Bioaccumulative Chemicals of Concern: Listed substance			
Mercury (CAS 7439-97-6)	Listed. US CWA Bioaccumulative Chemicals of Concern: Listed substance		
Mobility in soil	No data available.		
Mobility in general	Not available.		
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.		

13. Disposal Considerations

Disposal instructions	Review federal, provincial, and local government requirements prior to disposal.
Local disposal regulations	Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

US RCRA Hazardous Waste P List: Reference

Beryllium (CAS 7440-41-7) P015

US RCRA Hazardous Waste U List: Reference

Mercury (CAS 7439-97-6) U151

Waste from residues / unused products Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport Information

General Canada: TDG Proof of Classification: In accordance with Part 2.2.1 (SOR/2014-152) of the Transportation of Dangerous Goods Regulations, we certify that the classification of this product is correct as of the SDS date of issue. If applicable, the technical name and the classification of the product will appear below.

U.S. Department of Transportation (DOT)

Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG - Canada)

Not regulated as dangerous goods.

15. Regulatory Information

Canadian federal regulations This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

Canada CEPA Schedule I: Listed substance

Arsenic (CAS 7440-38-2)	Listed.
Cadmium (CAS 7440-43-9)	Listed.
Lead (CAS 7439-92-1)	Listed.
Mercury (CAS 7439-97-6)	Listed.
Zinc, elemental (CAS 7440-66-6)	Listed.

Canada Priority Substances List (Second List): Listed substance

Zinc, elemental (CAS 7440-66-6)	Listed.
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Canada WHMIS Ingredient Disclosure: Threshold limits

Aluminum (CAS 7429-90-5)	1 %
Antimony (CAS 7440-36-0)	1 %
Arsenic (CAS 7440-38-2)	0.1 %
Barium (CAS 7440-39-3)	1 %
Beryllium (CAS 7440-41-7)	0.1 %
Cadmium (CAS 7440-43-9)	0.1 %
Chromium (CAS 7440-47-3)	0.1 %
Copper (CAS 7440-50-8)	1 %
Lead (CAS 7439-92-1)	0.1 %
Manganese (CAS 7439-96-5)	1 %
Mercury (CAS 7439-97-6)	0.1 %
Molybdenum (CAS 7439-98-7)	1 %
Nickel (CAS 7440-02-0)	0.1 %
Selenium (CAS 7782-49-2)	0.1 %
Silver (CAS 7440-22-4)	1 %
Thallium (CAS 7440-28-0)	1 %

WHMIS status Not Controlled

US federal regulations This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration

Aluminum (CAS 7429-90-5)	1.0 %
Antimony (CAS 7440-36-0)	1.0 %
Arsenic (CAS 7440-38-2)	0.1 %
Barium (CAS 7440-39-3)	1.0 % N040
Beryllium (CAS 7440-41-7)	0.1 %
Cadmium (CAS 7440-43-9)	0.1 %
Chromium (CAS 7440-47-3)	1.0 %
Copper (CAS 7440-50-8)	1.0 %
Lead (CAS 7439-92-1)	0.1 % Substance is not eligible for the de minimis exemption except for the purposes of supplier notification requirements.

Manganese (CAS 7439-96-5)	1.0 %
Mercury (CAS 7439-97-6)	1.0 % Substance is not eligible for the de minimis exemption except for the purposes of supplier notification requirements.
Nickel (CAS 7440-02-0)	0.1 %
Selenium (CAS 7782-49-2)	1.0 %
Silver (CAS 7440-22-4)	1.0 %
Thallium (CAS 7440-28-0)	1.0 %
Zinc, elemental (CAS 7440-66-6)	1.0 %

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Reportable threshold

Lead (CAS 7439-92-1)	100 LBS
Mercury (CAS 7439-97-6)	10 LBS

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

Aluminum (CAS 7429-90-5)	Listed.
Antimony (CAS 7440-36-0)	Listed.
Arsenic (CAS 7440-38-2)	Listed.
Barium (CAS 7440-39-3)	Listed. N040
Beryllium (CAS 7440-41-7)	Listed.
Cadmium (CAS 7440-43-9)	Listed.
Chromium (CAS 7440-47-3)	Listed.
Copper (CAS 7440-50-8)	Listed.
Lead (CAS 7439-92-1)	Listed.
Manganese (CAS 7439-96-5)	Listed.
Mercury (CAS 7439-97-6)	Listed.
Nickel (CAS 7440-02-0)	Listed.
Selenium (CAS 7782-49-2)	Listed.
Silver (CAS 7440-22-4)	Listed.
Thallium (CAS 7440-28-0)	Listed.
Zinc, elemental (CAS 7440-66-6)	Listed.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Mercury (CAS 7439-97-6)	1.0 % One-Time Export Notification only.
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US CWA Bioaccumulative Chemicals of Concern: Listed substance

Mercury (CAS 7439-97-6)	Listed.
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US CWA Section 307(a)(1) Toxic Pollutants: Listed substance

Antimony (CAS 7440-36-0)	Listed.
Arsenic (CAS 7440-38-2)	Listed.
Beryllium (CAS 7440-41-7)	Listed.
Cadmium (CAS 7440-43-9)	Listed.
Chromium (CAS 7440-47-3)	Listed.
Copper (CAS 7440-50-8)	Listed.
Lead (CAS 7439-92-1)	Listed.
Mercury (CAS 7439-97-6)	Listed.
Nickel (CAS 7440-02-0)	Listed.
Selenium (CAS 7782-49-2)	Listed.
Silver (CAS 7440-22-4)	Listed.
Thallium (CAS 7440-28-0)	Listed.
Zinc, elemental (CAS 7440-66-6)	Listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

Antimony (CAS 7440-36-0)	Listed.
Arsenic (CAS 7440-38-2)	Listed.
Barium (CAS 7440-39-3)	Listed.
Beryllium (CAS 7440-41-7)	Listed.
Cadmium (CAS 7440-43-9)	Listed.
Chromium (CAS 7440-47-3)	Listed.
Copper (CAS 7440-50-8)	Listed.
Lead (CAS 7439-92-1)	Listed.
Manganese (CAS 7439-96-5)	Listed.
Mercury (CAS 7439-97-6)	Listed.
Nickel (CAS 7440-02-0)	Listed.
Selenium (CAS 7782-49-2)	Listed.
Silver (CAS 7440-22-4)	Listed.
Thallium (CAS 7440-28-0)	Listed.
Zinc, elemental (CAS 7440-66-6)	Listed.

US CAA Section 112(i) High-Risk Hazardous Air Pollutants (HAPs): Weight factor

Arsenic (CAS 7440-38-2)	100
Beryllium (CAS 7440-41-7)	10
Cadmium (CAS 7440-43-9)	10
Chromium (CAS 7440-47-3)	100
Manganese (CAS 7439-96-5)	10

Mercury (CAS 7439-97-6) 100

Nickel (CAS 7440-02-0) 10

US CAA Section 112(i) High-Risk Hazardous Air Pollutants (HAPs): Listed substance

Arsenic (CAS 7440-38-2) Listed.

Beryllium (CAS 7440-41-7) Listed.

Cadmium (CAS 7440-43-9) Listed.

Chromium (CAS 7440-47-3) Listed.

Manganese (CAS 7439-96-5) Listed.

Mercury (CAS 7439-97-6) Listed.

Nickel (CAS 7440-02-0) Listed.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Antimony (CAS 7440-36-0) Listed.

Arsenic (CAS 7440-38-2) Listed.

Beryllium (CAS 7440-41-7) Listed.

Cadmium (CAS 7440-43-9) Listed.

Chromium (CAS 7440-47-3) Listed.

Lead (CAS 7439-92-1) Listed.

Manganese (CAS 7439-96-5) Listed.

Mercury (CAS 7439-97-6) Listed.

Nickel (CAS 7440-02-0) Listed.

Selenium (CAS 7782-49-2) Listed.

US CAA Section 612 SNAP Program: Listed substance

Nitrogen (CAS 7727-37-9) Listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance No

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations

Safe Drinking Water Act (SDWA) Not regulated.

Food and Drug Administration (FDA) Not regulated.

US state regulations WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

US - California Hazardous Substances (Director's): Listed substance

Aluminum (CAS 7429-90-5) Listed.

Antimony (CAS 7440-36-0) Listed.

Arsenic (CAS 7440-38-2) Listed.

Beryllium (CAS 7440-41-7) Listed.

Cadmium (CAS 7440-43-9) Listed.

Chromium (CAS 7440-47-3) Listed.

Copper (CAS 7440-50-8) Listed.

Iron (CAS 7439-89-6) Listed.

Lead (CAS 7439-92-1) Listed.

Manganese (CAS 7439-96-5) Listed.

Mercury (CAS 7439-97-6) Listed.

Molybdenum (CAS 7439-98-7) Listed.

Nickel (CAS 7440-02-0) Listed.

Selenium (CAS 7782-49-2) Listed.

Silver (CAS 7440-22-4) Listed.

Thallium (CAS 7440-28-0) Listed.

Zinc, elemental (CAS 7440-66-6) Listed.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Arsenic (CAS 7440-38-2) Listed.

Beryllium (CAS 7440-41-7) Listed.

Cadmium (CAS 7440-43-9) Listed.

Lead (CAS 7439-92-1) Listed.
Mercury (CAS 7439-97-6) Listed.
Nickel (CAS 7440-02-0) Listed.

US - Connecticut Carcinogenic Substance Reporting: Listed substance

Arsenic (CAS 7440-38-2) Listed.

US - Illinois Chemical Safety Act: Listed substance

Antimony (CAS 7440-36-0) Listed.
Arsenic (CAS 7440-38-2) Listed.
Barium (CAS 7440-39-3) Listed.
Beryllium (CAS 7440-41-7) Listed.
Cadmium (CAS 7440-43-9) Listed.
Chromium (CAS 7440-47-3) Listed.
Copper (CAS 7440-50-8) Listed.
Lead (CAS 7439-92-1) Listed.
Manganese (CAS 7439-96-5) Listed.
Mercury (CAS 7439-97-6) Listed.
Nickel (CAS 7440-02-0) Listed.
Selenium (CAS 7782-49-2) Listed.
Silver (CAS 7440-22-4) Listed.
Thallium (CAS 7440-28-0) Listed.
Zinc, elemental (CAS 7440-66-6) Listed.

US - Louisiana Spill Reporting List: Reportable quantity (total mass into atmosphere)

Antimony (CAS 7440-36-0) 100 LBS
Barium (CAS 7440-39-3) 100 LBS
Chromium (CAS 7440-47-3) 100 LBS
Copper (CAS 7440-50-8) 100 LBS
Manganese (CAS 7439-96-5) 100 LBS

US - Louisiana Spill Reporting: Listed substance

Antimony (CAS 7440-36-0) Listed.
Arsenic (CAS 7440-38-2) Listed.
Barium (CAS 7440-39-3) Listed.
Beryllium (CAS 7440-41-7) Listed.
Cadmium (CAS 7440-43-9) Listed.
Chromium (CAS 7440-47-3) Listed.
Copper (CAS 7440-50-8) Listed.
Lead (CAS 7439-92-1) Listed.
Manganese (CAS 7439-96-5) Listed.
Mercury (CAS 7439-97-6) Listed.
Nickel (CAS 7440-02-0) Listed.
Selenium (CAS 7782-49-2) Listed.
Silver (CAS 7440-22-4) Listed.
Thallium (CAS 7440-28-0) Listed.
Zinc, elemental (CAS 7440-66-6) Listed.

US - Michigan Critical Materials Register: Parameter number

Arsenic (CAS 7440-38-2) 07440-38-2 Listed.
Beryllium (CAS 7440-41-7) 07440-41-7 Listed.
Cadmium (CAS 7440-43-9) 07440-43-9 Listed.
Chromium (CAS 7440-47-3) 07440-47-3 Listed.
Copper (CAS 7440-50-8) 07440-50-8 Listed.
Lead (CAS 7439-92-1) 07439-92-1 Listed.
Mercury (CAS 7439-97-6) 07439-97-6 Listed.
Nickel (CAS 7440-02-0) 07440-02-0 Listed.
Selenium (CAS 7782-49-2) 07782-49-2 Listed.
Silver (CAS 7440-22-4) 07440-22-4 Listed.
Zinc, elemental (CAS 7440-66-6) 07440-66-6 Listed.

US - Minnesota Haz Subs: Listed substance

Aluminum (CAS 7429-90-5) Listed.
Antimony (CAS 7440-36-0) Listed.
Arsenic (CAS 7440-38-2) Listed.
Beryllium (CAS 7440-41-7) Listed.
Cadmium (CAS 7440-43-9) Listed.
Chromium (CAS 7440-47-3) Listed.
Copper (CAS 7440-50-8) Listed.
Lead (CAS 7439-92-1) Listed.
Manganese (CAS 7439-96-5) Listed.
Mercury (CAS 7439-97-6) Listed.
Molybdenum (CAS 7439-98-7) Listed.
Nickel (CAS 7440-02-0) Listed.

Nitrogen (CAS 7727-37-9)	Listed.
Selenium (CAS 7782-49-2)	Listed.
Silver (CAS 7440-22-4)	Listed.
Thallium (CAS 7440-28-0)	Listed.

US - New Jersey RTK - Substances: Listed substance

Aluminum (CAS 7429-90-5)	Listed.
Antimony (CAS 7440-36-0)	Listed.
Arsenic (CAS 7440-38-2)	Listed.
Barium (CAS 7440-39-3)	Listed.
Beryllium (CAS 7440-41-7)	Listed.
Boron (CAS 7440-42-8)	Listed.
Cadmium (CAS 7440-43-9)	Listed.
Chromium (CAS 7440-47-3)	Listed.
Copper (CAS 7440-50-8)	Listed.
Lead (CAS 7439-92-1)	Listed.
Manganese (CAS 7439-96-5)	Listed.
Mercury (CAS 7439-97-6)	Listed.
Molybdenum (CAS 7439-98-7)	Listed.
Nickel (CAS 7440-02-0)	Listed.
Nitrogen (CAS 7727-37-9)	Listed.
Selenium (CAS 7782-49-2)	Listed.
Silver (CAS 7440-22-4)	Listed.
Thallium (CAS 7440-28-0)	Listed.
Zinc, elemental (CAS 7440-66-6)	Listed.

US - New York Release Reporting: Hazardous Substances: Listed substance

Antimony (CAS 7440-36-0)	Listed.
Arsenic (CAS 7440-38-2)	Listed.
Beryllium (CAS 7440-41-7)	Listed.
Cadmium (CAS 7440-43-9)	Listed.
Chromium (CAS 7440-47-3)	Listed.
Copper (CAS 7440-50-8)	Listed.
Lead (CAS 7439-92-1)	Listed.
Mercury (CAS 7439-97-6)	Listed.
Nickel (CAS 7440-02-0)	Listed.
Selenium (CAS 7782-49-2)	Listed.
Silver (CAS 7440-22-4)	Listed.
Thallium (CAS 7440-28-0)	Listed.
Zinc, elemental (CAS 7440-66-6)	Listed.

US - North Carolina Toxic Air Pollutants: Listed substance

Arsenic (CAS 7440-38-2)	Listed.
Beryllium (CAS 7440-41-7)	Listed.
Cadmium (CAS 7440-43-9)	Listed.
Manganese (CAS 7439-96-5)	Listed.
Mercury (CAS 7439-97-6)	Listed.
Nickel (CAS 7440-02-0)	Listed.

US - Pennsylvania RTK - Hazardous Substances: All compounds of this substance are considered environmental hazards

Antimony (CAS 7440-36-0)	Listed.
Arsenic (CAS 7440-38-2)	Listed.
Barium (CAS 7440-39-3)	Listed.
Beryllium (CAS 7440-41-7)	Listed.
Cadmium (CAS 7440-43-9)	Listed.
Chromium (CAS 7440-47-3)	Listed.
Copper (CAS 7440-50-8)	Listed.
Lead (CAS 7439-92-1)	Listed.
Manganese (CAS 7439-96-5)	Listed.
Mercury (CAS 7439-97-6)	Listed.
Nickel (CAS 7440-02-0)	Listed.
Selenium (CAS 7782-49-2)	Listed.
Silver (CAS 7440-22-4)	Listed.
Thallium (CAS 7440-28-0)	Listed.
Zinc, elemental (CAS 7440-66-6)	Listed.

US - Pennsylvania RTK - Hazardous Substances: Special hazard

Arsenic (CAS 7440-38-2)	Special hazard.
Beryllium (CAS 7440-41-7)	Special hazard.
Cadmium (CAS 7440-43-9)	Special hazard.
Chromium (CAS 7440-47-3)	Special hazard.
Nickel (CAS 7440-02-0)	Special hazard.

US - Texas Effects Screening Levels: Listed substance

Aluminum (CAS 7429-90-5)	Listed.
Antimony (CAS 7440-36-0)	Listed.
Arsenic (CAS 7440-38-2)	Listed.
Barium (CAS 7440-39-3)	Listed.
Beryllium (CAS 7440-41-7)	Listed.
Boron (CAS 7440-42-8)	Listed.
Cadmium (CAS 7440-43-9)	Listed.
Chromium (CAS 7440-47-3)	Listed.
Copper (CAS 7440-50-8)	Listed.
Iron (CAS 7439-89-6)	Listed.
Lead (CAS 7439-92-1)	Listed.
Manganese (CAS 7439-96-5)	Listed.
Mercury (CAS 7439-97-6)	Listed.
Molybdenum (CAS 7439-98-7)	Listed.
Nickel (CAS 7440-02-0)	Listed.
Selenium (CAS 7782-49-2)	Listed.
Silver (CAS 7440-22-4)	Listed.
Thallium (CAS 7440-28-0)	Listed.
Zinc, elemental (CAS 7440-66-6)	Listed.

US - Washington Chemical of High Concern to Children: Listed substance

Antimony (CAS 7440-36-0)	Listed.
Arsenic (CAS 7440-38-2)	Listed.
Cadmium (CAS 7440-43-9)	Listed.
Mercury (CAS 7439-97-6)	Listed.
Molybdenum (CAS 7439-98-7)	Listed.

US. Massachusetts RTK - Substance List

Aluminum (CAS 7429-90-5)	Listed.
Antimony (CAS 7440-36-0)	Listed.
Arsenic (CAS 7440-38-2)	Listed.
Barium (CAS 7440-39-3)	Listed.
Beryllium (CAS 7440-41-7)	Listed.
Cadmium (CAS 7440-43-9)	Listed.
Chromium (CAS 7440-47-3)	Listed.
Copper (CAS 7440-50-8)	Listed.
Lead (CAS 7439-92-1)	Listed.
Manganese (CAS 7439-96-5)	Listed.
Mercury (CAS 7439-97-6)	Listed.
Molybdenum (CAS 7439-98-7)	Listed.
Nickel (CAS 7440-02-0)	Listed.
Nitrogen (CAS 7727-37-9)	Listed.
Selenium (CAS 7782-49-2)	Listed.
Silver (CAS 7440-22-4)	Listed.
Thallium (CAS 7440-28-0)	Listed.
Zinc, elemental (CAS 7440-66-6)	Listed.

US. Pennsylvania RTK - Hazardous Substances

Aluminum (CAS 7429-90-5)	Listed.
Antimony (CAS 7440-36-0)	Listed.
Arsenic (CAS 7440-38-2)	Listed.
Barium (CAS 7440-39-3)	Listed.
Beryllium (CAS 7440-41-7)	Listed.
Cadmium (CAS 7440-43-9)	Listed.
Chromium (CAS 7440-47-3)	Listed.
Copper (CAS 7440-50-8)	Listed.
Lead (CAS 7439-92-1)	Listed.
Manganese (CAS 7439-96-5)	Listed.
Mercury (CAS 7439-97-6)	Listed.
Molybdenum (CAS 7439-98-7)	Listed.
Nickel (CAS 7440-02-0)	Listed.
Nitrogen (CAS 7727-37-9)	Listed.
Selenium (CAS 7782-49-2)	Listed.
Silver (CAS 7440-22-4)	Listed.
Thallium (CAS 7440-28-0)	Listed.
Zinc, elemental (CAS 7440-66-6)	Listed.

US. Rhode Island RTK

Aluminum (CAS 7429-90-5)	Listed.
Antimony (CAS 7440-36-0)	Listed.
Arsenic (CAS 7440-38-2)	Listed.
Barium (CAS 7440-39-3)	Listed.

Beryllium (CAS 7440-41-7)	Listed.
Cadmium (CAS 7440-43-9)	Listed.
Chromium (CAS 7440-47-3)	Listed.
Copper (CAS 7440-50-8)	Listed.
Lead (CAS 7439-92-1)	Listed.
Manganese (CAS 7439-96-5)	Listed.
Mercury (CAS 7439-97-6)	Listed.
Nickel (CAS 7440-02-0)	Listed.
Selenium (CAS 7782-49-2)	Listed.
Silver (CAS 7440-22-4)	Listed.
Thallium (CAS 7440-28-0)	Listed.
Zinc, elemental (CAS 7440-66-6)	Listed.

Inventory status

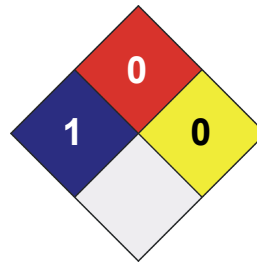
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	/ 1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X



Disclaimer

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

Issue date

02-February-2016

Effective date

02-February-2016

Expiry date

02-February-2019

Further information

For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.

Prepared by

Dell Tech Laboratories, Ltd. Phone: (519) 858-5021

Other information

This Safety Data Sheet was prepared to comply with the current OSHA Hazard Communication Standard (HCS) adoption of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).