

Safety Data Sheet

According to Canadian Hazardous Products Regulations and WHMIS 2015

Initial preparation date: 10.14.2020

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Steel Deck (Painted and Unpainted)

Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Fibrous glass	65997-17-3	8-Hour TWA: 1 fibers/cm ³ (SYNTHETIC VITREOUS FIBRES-GLASS WOOL FIBERS)
	Fibrous glass	65997-17-3	8-Hour TWA: 1 fibers/cm ³ (SYNTHETIC VITREOUS FIBRES-ROCK WOOL FIBERS)
	Fibrous glass	65997-17-3	8-Hour TWA: 1 fibers/cm ³ (SYNTHETIC VITREOUS FIBRES-SLAG WOOL FIBERS)
	Fibrous glass	65997-17-3	8-Hour TWA: 1 fibers/cm ³ (SYNTHETIC VITREOUS FIBRES-SPECIAL PURPOSE GLASS FIBERS)
	Fibrous glass	65997-17-3	8-Hour TWA: 0.2 fibers/cm ³ (SYNTHETIC VITREOUS FIBRES-REFRACTORY CERAMIC FIBERS)
	Diantimony trioxide	1309-64-4	8-Hour TWA: 0.5 mg/m ³ (Antimony compounds, as Sb)
Ontario	Manganese	7439-96-5	TWA: 0.2 mg/m ³
	Chromium	7440-47-3	8-Hour TWA: 0.5 mg/m ³ (Metal Chromium and Inorganic Cr III compounds, as Cr.)
	Silicon	7440-21-3	8-Hour TWA: 10 mg/m ³
	Fibrous glass	65997-17-3	8-Hour TWA: 1 fibers/cc (CONTINUOUS FILAMENT GLASS FIBERS)
	Fibrous glass	65997-17-3	8-Hour TWA: 5 mg/m ³ (CONTINUOUS FILAMENT GLASS FIBERS, INHALABLE FRACTION)
	Fibrous glass	65997-17-3	8-Hour TWA: 1 fibers/cc (GLASS WOOL FIBERS)
	Fibrous glass	65997-17-3	8-Hour TWA: 1 fibers/cc (ROCK WOOL FIBERS)
	Fibrous glass	65997-17-3	8-Hour TWA: 1 fibers/cc (SLAG WOOL FIBERS)
	Fibrous glass	65997-17-3	8-Hour TWA: 1 fibers/cc (SPECIAL PURPOSE GLASS FIBERS)
	Fibrous glass	65997-17-3	8-Hour TWA: 1 fibers/cc (SYNTHETIC VITREOUS FIBRES [MAN-MADE MINERAL FIBRES]: SPECIAL PURPOSE GLASS FIBRES, RESPIRABLE FIBRES)
	Fibrous glass	65997-17-3	8-Hour TWA: 1 fibers/cc (SYNTHETIC VITREOUS FIBRES [MAN-MADE MINERAL FIBRES]: SYNTHETIC VITREOUS FIBRES, NOT OTHERWISE CLASSIFIED (EXCLUDING FIBROUS GLASS DUST AND MINERAL WOOL FIBRE), RESPIRABLE FIBRES)
	Fibrous glass	65997-17-3	8-Hour TWA: 1 fibers/cc (SYNTHETIC VITREOUS FIBRES [MAN-MADE MINERAL FIBRES]: CONTINUOUS FILAMENT GLASS FIBRE, RESPIRABLE FIBRES)

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	Fibrous glass	65997-17-3	8-Hour TWA: 5 mg/m ³ (SYNTHETIC VITREOUS FIBRES [MAN-MADE MINERAL FIBRES]: CONTINUOUS FILAMENT GLASS FIBRES, INHALABLE FRACTION)
	Fibrous glass	65997-17-3	8-Hour TWA: 1 fibers/cc (SYNTHETIC VITREOUS FIBRES [MAN-MADE MINERAL FIBRES]: GLASS WOOL FIBRES, RESPIRABLE FIBRES)
	Fibrous glass	65997-17-3	8-Hour TWA: 0.5 fibers/cc (SYNTHETIC VITREOUS FIBRES [MAN-MADE MINERAL FIBRES]: REFRACTORY CERAMIC FIBRES, RESPIRABLE FIBRES)
	Fibrous glass	65997-17-3	8-Hour TWA: 1 fibers/cc (SYNTHETIC VITREOUS FIBRES [MAN-MADE MINERAL FIBRES]: ROCK WOOL FIBRES, RESPIRABLE FIBRES)
	Fibrous glass	65997-17-3	8-Hour TWA: 1 fibers/cc (SYNTHETIC VITREOUS FIBRES [MAN-MADE MINERAL FIBRES]: SLAG WOOL FIBRES, RESPIRABLE FIBRES)
	Fibrous glass	65997-17-3	8-Hour TWA: 0.2 fibers/cc (REFRACTORY CERAMIC FIBRES)
	Carbon Black	1333-86-4	8-Hour TWA: 3 mg/m ³ (inhalable fraction)
	Diantimony trioxide	1309-64-4	8-Hour TWA: 0.5 mg/m ³ (Antimony compounds, as Sb)
Quebec	Manganese	7439-96-5	TWA: 0.2 mg/m ³
	Chromium	7440-47-3	8-Hour TWA: 0.5 mg/m ³
	Silicon	7440-21-3	8-Hour TWA: 10 mg/m ³ (total dust)
	Fibrous glass	65997-17-3	8-Hour TWA: 1 fibers/cm ³ (FIBRES-ARTIFICIAL VITREOUS MINERAL FIBRES, INSULATION WOOL FIBRES, GLASS WOOL)
	Fibrous glass	65997-17-3	8-Hour TWA: 1 fibers/cm ³ (FIBRES-ARTIFICIAL VITREOUS MINERAL FIBRES, INSULATION WOOL FIBRES, ROCK WOOL)
	Fibrous glass	65997-17-3	8-Hour TWA: 2 fibers/cm ³ (FIBRES-ARTIFICIAL VITREOUS MINERAL FIBRES, INSULATION WOOL FIBRES, SLANG WOOL)
	Fibrous glass	65997-17-3	8-Hour TWA: 10 mg/m ³ (FIBRES-ARTIFICIAL VITREOUS MINERAL FIBRES, FIBROUS GLASS, CONTINUOUS FILAMENT, TOTAL DUST)

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	Fibrous glass	65997-17-3	8-Hour TWA: 1 fibers/cm ³ (FIBRES-ARTIFICIAL VITREOUS MINERAL FIBRES, REFRACTORY FIBRES [CERAMIC OR OTHERS])
	Fibrous glass	65997-17-3	8-Hour TWA: 1 fibers/cm ³ (FIBRES-ARTIFICIAL VITREOUS MINERAL FIBRES, FIBROUS GLASS, MICROFIBRES)
	Carbon Black	1333-86-4	8-Hour TWA: 3.5 mg/m ³
	Diantimony trioxide	1309-64-4	8-Hour TWA: 0.5 mg/m ³ (Antimony compounds, as Sb)
Saskatchewan	Manganese	7439-96-5	15-Minute Contamination Limit: 0.6 mg/m ³
	Manganese	7439-96-5	8-Hour Contamination Limit: 0.2 mg/m ³
	Chromium	7440-47-3	8-Hour TWA: 0.5 mg/m ³ (Metal Chromium and Cr III compounds.)
	Chromium	7440-47-3	15-Minute STEL: 15 mg/m ³ (Metal Chromium and Cr III compounds.)
	Silicon	7440-21-3	15-Minute Contamination Limit: 20 mg/m ³
	Silicon	7440-21-3	8-Hour Contamination Limit: 10 mg/m ³
	Fibrous glass	65997-17-3	8-Hour TWA: 1 fibers/cm ³ (Synthetic Vitreous Fibres - Continuous filament glass fibres, [respirable fibres])
	Fibrous glass	65997-17-3	8-Hour TWA: 5 mg/m ³ (Synthetic Vitreous Fibres - Continuous filament glass fibres, [inhalable fraction])
	Fibrous glass	65997-17-3	15-Minute STEL: 10 mg/m ³ (Synthetic Vitreous Fibres - Continuous filament glass fibres, [inhalable fraction])
	Fibrous glass	65997-17-3	8-Hour TWA: 1 fibers/cm ³ (Synthetic Vitreous Fibres - Glass wool fibres, [respirable fibres])
	Fibrous glass	65997-17-3	8-Hour TWA: 1 fibers/cm ³ (Synthetic Vitreous Fibres - Rock wool fibres, [respirable fibres])
	Fibrous glass	65997-17-3	8-Hour TWA: 1 fibers/cm ³ (Synthetic Vitreous Fibres - Slag wool fibres, [respirable fibres])
	Fibrous glass	65997-17-3	8-Hour TWA: 1 fibers/cm ³ (Synthetic Vitreous Fibres - Special purpose glass fibres, [respirable fibres])
	Fibrous glass	65997-17-3	8-Hour TWA: 0.2 fibers/cm ³ (Synthetic Vitreous Fibres - Refractory ceramic fibres, [respirable fibres])
	Carbon Black	1333-86-4	8-Hour TWA: 3.5 mg/m ³

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	Carbon Black	1333-86-4	15-Minute STEL: 7 mg/m ³
	Diantimony trioxide	1309-64-4	8-Hour Contamination Limit: 0.5 mg/m ³ (Antimony compounds, as Sb)
	Diantimony trioxide	1309-64-4	15-Minute Contamination Limit: 1.5 mg/m ³
Manitoba	Chromium	7440-47-3	8-Hour TWA: 0.5 mg/m ³ (Inhalable Fraction)
	Fibrous glass	65997-17-3	8-Hour TWA: 1 fibers/cm ³ (CONTINUOUS FILAMENT GLASS FIBERS)
	Fibrous glass	65997-17-3	8-Hour TWA: 5 mg/m ³ (CONTINUOUS FILAMENT GLASS FIBERS, INHALABLE FRACTION)
	Fibrous glass	65997-17-3	8-Hour TWA: 1 fibers/cm ³ (GLASS WOOL FIBERS)
	Fibrous glass	65997-17-3	8-Hour TWA: 1 fibers/cm ³ (ROCK WOOL FIBERS)
	Fibrous glass	65997-17-3	8-Hour TWA: 1 fibers/cm ³ (SLAG WOOL FIBERS)
	Fibrous glass	65997-17-3	8-Hour TWA: 1 fibers/cm ³ (SPECIAL PURPOSE GLASS FIBERS)
	Fibrous glass	65997-17-3	8-Hour TWA: 0.2 fibers/cm ³ (REFRACTORY CERAMIC FIBERS)
	Carbon Black	1333-86-4	8-Hour TWA: 3 mg/m ³
	Diantimony trioxide	1309-64-4	8-Hour TWA: 0.5 mg/m ³ (Antimony compounds, as Sb)

Biological limit values:

No biological exposure limits noted for the ingredient(s).

Information on monitoring procedures:

Not determined or not applicable.

Appropriate engineering controls:

The engineering controls described below are recommended only if hazardous chemicals are made available for exposure during further processing of this product.

Use local exhaust, mechanical ventilation or additional engineering measures to maintain airborne concentration below any occupational exposure limits. Ensure that Emergency eye wash station and safety shower are in good working order and in the immediate vicinity of any possible exposure.

Personal protection equipment

Eye and face protection:

It is recommended that eye protection be worn at all times in a manufacturing or industrial environment. Wear safety goggles or safety glasses with side shields. Use eye protection equipment that has been tested and approved by recognized national standards (or equivalent).

A face shield is recommended, in addition to safety glasses or goggles, during sawing, grinding, or machining.

A welding helmet with appropriate shaded shield is required during welding, burning, or brazing.

Skin and body protection:

Wear protective gloves and suitable protective clothing. While handling product and/or steel packing

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material wear cut resistant gloves and sleeves for laceration protection.

When material is heated, wear gloves to protect against thermal burns. Thermally protective apron and long sleeves are recommended when volume of hot material is significant.

The skin protection described below is necessary only if hazardous chemicals are made available for exposure during further processing of this product.

Chemical resistant, impervious gloves approved by the appropriate standards. Gloves must be inspected prior to use. Avoid skin contact with used gloves. Appropriate techniques should be used to remove used gloves and contaminated clothing. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Ensure that all personal protective equipment is approved by recognized national standards (or equivalent).

Respiratory protection:

The respiratory protection described below is necessary only if hazardous chemicals are made available for exposure during further processing of this product.

In case of insufficient ventilation, wear suitable respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Wear a properly fitted, air-purifying or air-fed respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

General hygienic measures:

Handle in accordance with good industrial hygiene and safety measures. Wash hands and face after handling chemical products. Wash hands before eating, drinking and smoking. Wash hands at the end of the workday. Appropriate techniques should be applied to remove contaminated clothing and shoes. Wash contaminated clothing before reuse. Observe any medical surveillance requirements.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance (physical state, color):	White/Gray (painted) or Metallic gray (unpainted) solid metal (with or without accoustical insulation and/or foam end pieces)
Odor:	None
Odor threshold:	Not determined or not available.
pH-value:	Not determined or not available.
Melting/Freezing point:	2750 °F (1510 °C) for steel component
Boiling point/range:	Not determined or not available.
Flash point:	Not determined or not available.
Evaporation rate:	Not determined or not available.
Flammability (solid, gaseous):	Not determined or not available.
Explosion limit upper:	Not determined or not available.
Explosion limit lower:	Not determined or not available.
Vapor pressure:	Not determined or not available.
Vapor density:	Not determined or not available.
Density:	Not determined or not available.
Relative density:	7 - 8 (steel component)
Solubilities:	Not determined or not available.
Partition coefficient (n-octanol/water):	Not determined or not available.

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Auto/Self-ignition temperature:	Not determined or not available.
Decomposition temperature:	Not determined or not available.
Dynamic viscosity:	Not determined or not available.
Kinematic viscosity:	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

Other information

SECTION 10: Stability and reactivity

Reactivity:

Not reactive under recommended handling and storage conditions.

Chemical stability:

Stable under recommended handling and storage conditions.

Possibility of hazardous reactions:

Hazardous reactions are not anticipated under recommended conditions of handling and storage.

Conditions to avoid:

Incompatible materials

Incompatible materials:

Strong acids; Oxidizing agents

Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

Acute toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Route	Result
Iron	oral	LD50 Rat: 30,000 mg/kg
Manganese	oral	LD50 Rat: 9000 mg/kg
Chromium	oral	LD50 Rat: >3400 mg/kg
	inhalation	LC50 Rat: >5.41 mg/L (4 h Aerosol)
Silicon	oral	LD50 Rat: 3160 mg/kg

Skin corrosion/irritation

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Serious eye damage/irritation

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

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Substance data:

Name	Result
Chromium	Causes serious eye irritation.

Respiratory or skin sensitization

Assessment:

May cause an allergic skin reaction.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Product data:

No data available.

Substance data:

Name	Result
Chromium	May cause an allergic skin reaction.
	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Nickel	May cause an allergic skin reaction.

Carcinogenicity

Assessment:

Suspected of causing cancer.

Product data: No data available.

Substance data:

Name	Species	Result
Nickel		Suspected of causing cancer.

International Agency for Research on Cancer (IARC):

Name	Classification
Chromium	Group 3
Nickel	Group 2B

National Toxicology Program (NTP):

Name	Classification
Chromium	Known to be human carcinogens
Nickel	Reasonably anticipated to be human carcinogens

Germ cell mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Reproductive toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (single exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

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Specific target organ toxicity (repeated exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data:

Name	Result
Nickel	Causes damage to organs through prolonged or repeated exposure.

Aspiration toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Information on likely routes of exposure:

Not Applicable to product as supplied, shipped and sold.

If subjected to further processing, the anticipated routes of exposure are inhalation, skin contact and eye contact.

Symptoms related to the physical, chemical and toxicological characteristics:

Refer to Section 4 of this SDS.

Other information:

No data available.

SECTION 12: Ecological information

Acute (short-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Chronic (long-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Persistence and degradability

Product data: No data available.

Substance data: No data available.

Bioaccumulative potential

Product data: No data available.

Substance data: No data available.

Mobility in soil

Product data: No data available.

Substance data: No data available.

Results of PBT and vPvB assessment

Product data:

PBT assessment: This product does not contain any substances that are assessed to be a PBT.

vPvB assessment: This product does not contain any substances that are assessed to be a vPvB.

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Substance data:

PBT assessment: This product does not contain any substances that are assessed to be a PBT.

vPvB assessment: This product does not contain any substances that are assessed to be a vPvB.

Other adverse effects: No data available.

SECTION 13: Disposal considerations

Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory agencies. Dispose of in accordance with all applicable local, regional, state and federal regulations.

Contaminated packages:

Not determined or not applicable.

SECTION 14: Transport information

Canadian Transportation of Dangerous Goods (TDG)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Maritime Dangerous Goods (IMDG)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

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Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Bulk Name	None
Ship type	None
Pollution category	None

SECTION 15: Regulatory information

Canada regulations

Domestic substances list (DSL): All ingredients are listed or exempt.

Non-domestic substances list (NDSL): None of the ingredients are listed.

SECTION 16: Other information

Abbreviations and Acronyms: None

Disclaimer:

This product has been classified in accordance with the Canadian Hazardous Products Regulations and WHMIS 2015. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal 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, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

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End of Safety Data Sheet