

Section 12: Ecological Information

- 12(a) Ecotoxicity (aquatic & terrestrial):** No Data Available. However, individual components of the product may be toxic to the environment.
- **Calcium Oxide:** LC50: Fish 1, 1070 mg/L; Fish 96 h-Species: Cyprinus carpio (Static). Harmful to aquatic life. Contact with water forms an alkaline solution. Avoid release to the environment.
 - Metal dusts may migrate into soil and groundwater and be ingested by wildlife as follows: **Iron (as iron oxide):** LC50: > 1000 mg/L; Fish

12(b) Persistence & Degradability: No Data Available.

12(c) Bioaccumulative Potential: No Data Available.

12(d) Mobility (in soil): No data available.

12(e) Other adverse effects: None Known

Hazard Category: Not Reported

Signal Word: No Signal Word

Hazard Symbol: No Symbol

Hazard Statement: No Statement

Section 13: Disposal Considerations

Disposal: Dispose of material in accordance with applicable federal, state, provincial or local regulations.

Section 14: Transport Information

14 (a-g) Transportation Information: All provincial, federal, and state laws and regulations that apply to the transport of this type of material must be adhered to.

Transport Canada, *Transportation of Dangerous Goods* (TDG)

Not regulated for transport

US Department of Transportation (DOT)

Not regulated for transport

International Maritime Dangerous Goods (IMDG) and the Regulations Concerning the International Carriage of Dangerous Goods by Rail (RID)

Not regulated for transport

International Air Transport Association (IATA)

Not regulated for transport

Regulations Concerning the International Carriage of Dangerous Goods by Road (ADR)

Not regulated for transport

Section 15: Regulatory Information

Regulatory Information: *The following listing of regulations relating to an ESSAR Steel Algoma product may not be complete and should not be solely relied upon for all regulatory compliance responsibilities.*

USA

OSHA Regulations: Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-2, Z-3): The product, **Blast Furnace Slag** as a whole is not listed. However, individual components of the product are listed: Refer to Section 8, Exposure Controls and Personal Protection.

OSHA HazCom 2012 Hazards:

Skin Irritation Cat. 2

Eye Damage Cat. 1

Specific Target Organ Toxicity, Single Exposure, Cat. 3

Carcinogenicity Cat. 1 (inhalation)

Specific Target Organ Toxicity, Repeated Exposure, Cat. 1 (inhalation)

EPA Regulations: The product, **Blast Furnace Slag** is not listed as a whole. However, individual components of the product are listed:

Components	Regulations
Slags, ferrous metal, blast furnace	TSCA (Toxic Substances Control Act) Inventory
Silicon Dioxide (<1% Quartz)	TSCA (Toxic Substances Control Act) Inventory
Calcium Oxide	TSCA (Toxic Substances Control Act) Inventory
Magnesium Oxide	TSCA (Toxic Substances Control Act) Inventory
Aluminum Oxide	TSCA (Toxic Substances Control Act) Inventory
Sulfur	TSCA (Toxic Substances Control Act) Inventory

SARA 311/312 Potential Hazard Categories: Immediate Acute Health Hazard; Delayed Chronic Health Hazard

Section 313 Supplier Notification: The product, Blast Furnace Slag may contain toxic chemicals subject to the reporting requirements of section 313, but not in amounts requiring supplier notification under 40 CFR part 372.

CANADA

WHMIS 1988: Blast Furnace Slag is not listed as a whole. However individual components are listed:

D2A - Other toxic effects – Untested mixture containing Crystalline silica

E – Corrosive – Mixture generates Calcium hydroxide in contact with water

This is a list of some of the regulations to be followed and may not be complete. Ensure you verify compliance with all applicable Provincial, Federal, State and Local Laws and Regulations

Section 16: Other Information

Prepared By: Essar Steel Algoma Inc.

Revised Date: 12/08/2015

Methods for classification of mixtures:

USA: Haz Com Standard 29 CFR 1910.1200 (2012)

Canada: Controlled Products Regulations.

UNECE, Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

Disclaimer

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