

# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** BLACK BEAUTY® GLASS  
**Version #** 01  
**Issue date** 23-April-2014  
**Revision date** -  
**Supersedes date** -  
**CAS #** 65997-17-3  
**Product code** Crushed Glass  
**Product use** Abrasives and Roofing Products and Other Aggregate Uses.  
**Manufacturer/Supplier** Harsco  
P.O. Box 0515, Camp Hill, PA 17001-0515  
reedcs@harsco.com  
717-506-4666  
**Emergency** 855-393-9889  
Access code 13793

## 2. Hazards Identification

**Physical state** Solid.  
**Emergency overview** WARNING  
Abrasive blasting agents may cause inflammation and pulmonary fibrosis. Dust may irritate the respiratory tract, skin and eyes.  
**OSHA regulatory status** This product is hazardous according to OSHA 29 CFR 1910.1200.  
**Potential health effects**  
**Routes of exposure** Inhalation. Eye contact. Skin contact.  
**Eyes** Dust in the eyes will cause irritation. May cause redness and pain.  
**Skin** Dust may irritate skin.  
**Inhalation** Dust may irritate throat and respiratory system and cause coughing. Abrasive blasting agents may cause inflammation and pulmonary fibrosis.  
**Ingestion** Ingestion of dusts generated during working operations may cause nausea and vomiting.  
**Target organs** Eyes. Respiratory system.  
**Chronic effects** Frequent inhalation of fume/dust over a long period of time increases the risk of developing lung diseases.  
**Signs and symptoms** Irritation of nose and throat. Irritation of eyes and mucous membranes.  
**Potential environmental effects** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
Glass, oxide, chemicals	65997-17-3	100
Constituents	CAS #	Percent
Silicon dioxide	7631-86-9	70-80
Sodium oxide	12401-86-4	10-15
Calcium oxide	1305-78-8	5-15
Aluminum oxide	1344-28-1	0-2
Potassium Oxide	12136-45-7	0-1
Magnesium oxide	1309-48-4	0-1
Iron oxide	1309-37-1	0-1
Silicon dioxide, crystalline	14808-60-7	<1

Constituents	CAS #	Percent
Beryllium	7440-41-7	0-0.0001

**Composition comments** All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

#### 4. First Aid Measures

##### First aid procedures

<b>Eye contact</b>	Do not rub eyes. Remove any contact lenses. Flush eyes thoroughly with water, taking care to rinse under eyelids. If irritation persists, continue flushing for 15 minutes, rinsing from time to time under eyelids. If discomfort continues, consult a physician.
<b>Skin contact</b>	Contact with dust: Wash with soap and water. Get medical attention if irritation develops or persists.
<b>Inhalation</b>	Move to fresh air. Get medical attention if discomfort persists.
<b>Ingestion</b>	Rinse mouth thoroughly if dust is ingested. Do not induce vomiting. Get medical attention if any discomfort continues.

**Notes to physician** Treat symptomatically.

**General advice** Show this safety data sheet to the doctor in attendance.

#### 5. Fire Fighting Measures

**Flammable properties** The product is non-combustible.

##### Extinguishing media

<b>Suitable extinguishing media</b>	Use fire-extinguishing media appropriate for surrounding materials.
<b>Unsuitable extinguishing media</b>	None known.

##### Protection of firefighters

<b>Specific hazards arising from the chemical</b>	None known.
<b>Protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Fire fighting equipment/instructions** Move container from fire area if it can be done without risk. Cool containers with flooding quantities of water until well after fire is out.

**General fire hazards** The product is non-combustible.

#### 6. Accidental Release Measures

**Personal precautions** Avoid generation and spreading of dust. Avoid inhalation of dust and contact with skin and eyes. Wear suitable protective clothing. Use personal protection recommended in Section 8 of the MSDS.

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not contaminate water.

**Methods for containment** Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

**Methods for cleaning up** Collect dust using a vacuum cleaner equipped with HEPA filter. If not possible, gently moisten dust with water fog before it is collected with shovel, broom or the like. Avoid dust formation. After removal flush contaminated area thoroughly with water.

Never return spills to original containers for re-use.

**Other information** Clean up in accordance with all applicable regulations.

#### 7. Handling and Storage

**Handling** Avoid inhalation of dust and contact with skin and eyes. Use only with adequate ventilation. Use work methods which minimize dust production. Keep the workplace clean. Observe good industrial hygiene practices.

**Storage** Keep container tightly closed. Store away from incompatible materials.

## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

Material	Type	Value	Form
Glass, oxide, chemicals (CAS 65997-17-3)	TWA	1 fibers/cm <sup>3</sup>	Fiber.
		5 mg/m <sup>3</sup>	Inhalable fraction.
Constituents	Type	Value	Form
Beryllium (CAS 7440-41-7)	TWA	0.00005 mg/m <sup>3</sup>	Inhalable fraction.
Silicon dioxide, crystalline (CAS 14808-60-7)	TWA	0.025 mg/m <sup>3</sup>	Respirable fraction.
Iron oxide (CAS 1309-37-1)	TWA	5 mg/m <sup>3</sup>	Respirable fraction.
Magnesium oxide (CAS 1309-48-4)	TWA	10 mg/m <sup>3</sup>	Inhalable fraction.
Aluminum oxide (CAS 1344-28-1)	TWA	1 mg/m <sup>3</sup>	Respirable fraction.
Calcium oxide (CAS 1305-78-8)	TWA	2 mg/m <sup>3</sup>	

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

Constituents	Type	Value	Form
Iron oxide (CAS 1309-37-1)	PEL	10 mg/m <sup>3</sup>	Fume.
Magnesium oxide (CAS 1309-48-4)	PEL	15 mg/m <sup>3</sup>	Total particulate.
Aluminum oxide (CAS 1344-28-1)	PEL	5 mg/m <sup>3</sup>	Respirable fraction.
		15 mg/m <sup>3</sup>	Total dust.
Calcium oxide (CAS 1305-78-8)	PEL	5 mg/m <sup>3</sup>	

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

Constituents	Type	Value
Beryllium (CAS 7440-41-7)	Ceiling	0.005 mg/m <sup>3</sup>
	TWA	0.002 mg/m <sup>3</sup>

#### US. OSHA Table Z-3 (29 CFR 1910.1000)

Constituents	Type	Value	Form
Silicon dioxide, crystalline (CAS 14808-60-7)	TWA	0.3 mg/m <sup>3</sup>	Total dust.
		0.1 mg/m <sup>3</sup>	Respirable.
		2.4 millions of particle	Respirable.
Silicon dioxide (CAS 7631-86-9)	TWA	0.8 mg/m <sup>3</sup>	
		20 mppcf	

#### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Material	Type	Value	Form
Glass, oxide, chemicals (CAS 65997-17-3)	TWA	0.2 fibers/cm <sup>3</sup>	Fiber.
		5 mg/m <sup>3</sup>	Total particulate.
		5 mg/m <sup>3</sup>	Fiber, total
Constituents	Type	Value	Form
Beryllium (CAS 7440-41-7)	STEL	0.01 mg/m <sup>3</sup>	
	TWA	0.002 mg/m <sup>3</sup>	
Silicon dioxide, crystalline (CAS 14808-60-7)	TWA	0.025 mg/m <sup>3</sup>	Respirable particles.
Iron oxide (CAS 1309-37-1)	TWA	5 mg/m <sup>3</sup>	Respirable.
Magnesium oxide (CAS 1309-48-4)	TWA	10 mg/m <sup>3</sup>	Fume.

**Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)**

Constituents	Type	Value	Form
Aluminum oxide (CAS 1344-28-1)	TWA	10 mg/m <sup>3</sup>	
Calcium oxide (CAS 1305-78-8)	TWA	2 mg/m <sup>3</sup>	

**Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)**

Material	Type	Value	Form
Glass, oxide, chemicals (CAS 65997-17-3)	TWA	0.2 fibers/cm <sup>3</sup>	Fiber.
		5 mg/m <sup>3</sup>	Inhalable fibers.
Constituents	Type	Value	Form
Beryllium (CAS 7440-41-7)	STEL	0.01 mg/m <sup>3</sup>	
	TWA	0.002 mg/m <sup>3</sup>	
Silicon dioxide, crystalline (CAS 14808-60-7)	TWA	0.025 mg/m <sup>3</sup>	Respirable fraction.
Iron oxide (CAS 1309-37-1)	STEL	10 mg/m <sup>3</sup>	Fume.
	TWA	5 mg/m <sup>3</sup>	Dust.
		5 mg/m <sup>3</sup>	Fume.
		3 mg/m <sup>3</sup>	Respirable fraction.
		10 mg/m <sup>3</sup>	Total dust.
Magnesium oxide (CAS 1309-48-4)	STEL	10 mg/m <sup>3</sup>	Respirable dust and/or fume.
	TWA	3 mg/m <sup>3</sup>	Respirable dust and/or fume.
		10 mg/m <sup>3</sup>	Inhalable fume.
Aluminum oxide (CAS 1344-28-1)	TWA	1 mg/m <sup>3</sup>	Respirable.
Silicon dioxide (CAS 7631-86-9)	TWA	4 mg/m <sup>3</sup>	Total
		1.5 mg/m <sup>3</sup>	Respirable.
Calcium oxide (CAS 1305-78-8)	TWA	2 mg/m <sup>3</sup>	

**Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)**

Material	Type	Value	Form
Glass, oxide, chemicals (CAS 65997-17-3)	TWA	1 fibers/cm <sup>3</sup>	Fiber.
		5 mg/m <sup>3</sup>	Inhalable fraction.
Constituents	Type	Value	Form
Beryllium (CAS 7440-41-7)	TWA	0.00005 mg/m <sup>3</sup>	Inhalable fraction.
Silicon dioxide, crystalline (CAS 14808-60-7)	TWA	0.025 mg/m <sup>3</sup>	Respirable fraction.
Iron oxide (CAS 1309-37-1)	TWA	5 mg/m <sup>3</sup>	Respirable fraction.
Magnesium oxide (CAS 1309-48-4)	TWA	10 mg/m <sup>3</sup>	Inhalable fraction.
Aluminum oxide (CAS 1344-28-1)	TWA	1 mg/m <sup>3</sup>	Respirable fraction.
Calcium oxide (CAS 1305-78-8)	TWA	2 mg/m <sup>3</sup>	

**Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)**

Material	Type	Value	Form
Glass, oxide, chemicals (CAS 65997-17-3)	TWA	1 fibers/ml	Respirable fibers.
		5 mg/m <sup>3</sup>	Inhalable
Constituents	Type	Value	Form
Beryllium (CAS 7440-41-7)	STEL	0.01 mg/m <sup>3</sup>	
	TWA	0.002 mg/m <sup>3</sup>	

**Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)**

Constituents	Type	Value	Form
Silicon dioxide, crystalline (CAS 14808-60-7)	TWA	0.1 mg/m3	Respirable.
Iron oxide (CAS 1309-37-1)	TWA	5 mg/m3	Respirable fraction.
Magnesium oxide (CAS 1309-48-4)	TWA	10 mg/m3	Inhalable fraction.
Aluminum oxide (CAS 1344-28-1)	TWA	1 mg/m3	Respirable fraction.
Silicon dioxide (CAS 7631-86-9)	TWA	10 mg/m3	
Calcium oxide (CAS 1305-78-8)	TWA	2 mg/m3	

**Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)**

Material	Type	Value	Form
Glass, oxide, chemicals (CAS 65997-17-3)	TWA	1 fibres/cm3 (non-asbe)	Fiber.
		10 mg/m3	Total dust.
Constituents	Type	Value	Form
Beryllium (CAS 7440-41-7)	TWA	0.00015 mg/m3	
Silicon dioxide, crystalline (CAS 14808-60-7)	TWA	0.1 mg/m3	Respirable dust.
Iron oxide (CAS 1309-37-1)	TWA	5 mg/m3	Dust and fume.
		10 mg/m3	Total dust.
Magnesium oxide (CAS 1309-48-4)	TWA	10 mg/m3	Fume.
Aluminum oxide (CAS 1344-28-1)	TWA	10 mg/m3	Total dust.
Silicon dioxide (CAS 7631-86-9)	TWA	6 mg/m3	Respirable dust.
Calcium oxide (CAS 1305-78-8)	TWA	2 mg/m3	

**Mexico. Occupational Exposure Limit Values**

Material	Type	Value	Form
Glass, oxide, chemicals (CAS 65997-17-3)	TWA	10 mg/m3	Dust.
Constituents	Type	Value	Form
Beryllium (CAS 7440-41-7)	TWA	0.002 mg/m3	
Silicon dioxide, crystalline (CAS 14808-60-7)	TWA	0.1 mg/m3	
Iron oxide (CAS 1309-37-1)	STEL	10 mg/m3	
	TWA	5 mg/m3	
Magnesium oxide (CAS 1309-48-4)	TWA	10 mg/m3	Fume.
Aluminum oxide (CAS 1344-28-1)	TWA	10 mg/m3	
Calcium oxide (CAS 1305-78-8)	TWA	2 mg/m3	

**Exposure guidelines****Canada - British Columbia OELs: Skin designation**

Beryllium (CAS 7440-41-7) Can be absorbed through the skin.

**Canada - Manitoba OELs: Skin designation**

Beryllium (CAS 7440-41-7) Can be absorbed through the skin.

**Canada - Ontario OELs: Skin designation**

Beryllium (CAS 7440-41-7) Can be absorbed through the skin.

**US ACGIH Threshold Limit Values: Skin designation**

Beryllium (CAS 7440-41-7) Can be absorbed through the skin.

**Engineering controls**

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

## Personal protective equipment

<b>Eye / face protection</b>	Wear safety glasses with side shields. Use tight fitting goggles if dust is generated.
<b>Skin protection</b>	Use protective gloves. Wear suitable protective clothing.
<b>Respiratory protection</b>	Selection and use of respiratory protective equipment should be in accordance with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4.
<b>General hygiene considerations</b>	Wash hands after handling. Routinely wash work clothing and protective equipment to remove contaminants. Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical & Chemical Properties

<b>Appearance</b>	Not available.
<b>Physical state</b>	Solid.
<b>Form</b>	Solid.
<b>Color</b>	Not available.
<b>Odor</b>	Odorless.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Boiling point</b>	Not available.
<b>Melting point/Freezing point</b>	Not available.
<b>Solubility (water)</b>	Negligible.
<b>Specific gravity</b>	2.5
<b>Flash point</b>	Not available.
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	The product is stable and non reactive under normal conditions of use, storage and transport.
<b>Conditions to avoid</b>	None known.
<b>Incompatible materials</b>	Hydrofluoric acid.
<b>Hazardous decomposition products</b>	None known.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.

## 11. Toxicological Information

<b>Sensitization</b>	Not a skin or respiratory sensitizer.
<b>Acute effects</b>	Abrasive blasting agents may cause inflammation and pulmonary fibrosis. Ingestion of dusts generated during working operations may cause nausea and vomiting.
<b>Local effects</b>	May cause eye, skin and respiratory tract irritation.
<b>Chronic effects</b>	Frequent inhalation of fume/dust over a long period of time increases the risk of developing lung diseases.
<b>Carcinogenicity</b>	May cause cancer.

### ACGIH Carcinogens

Aluminum oxide (CAS 1344-28-1)	A4 Not classifiable as a human carcinogen.
Beryllium (CAS 7440-41-7)	A1 Confirmed human carcinogen.
Glass, oxide, chemicals (CAS 65997-17-3)	A3 Confirmed animal carcinogen with unknown relevance to humans.
Iron oxide (CAS 1309-37-1)	A4 Not classifiable as a human carcinogen.
Magnesium oxide (CAS 1309-48-4)	A4 Not classifiable as a human carcinogen.
Silicon dioxide, crystalline (CAS 14808-60-7)	A2 Suspected human carcinogen.

## IARC Monographs. Overall Evaluation of Carcinogenicity

Beryllium (CAS 7440-41-7)	1 Carcinogenic to humans.
Iron oxide (CAS 1309-37-1)	3 Not classifiable as to carcinogenicity to humans.
Silicon dioxide (CAS 7631-86-9)	3 Not classifiable as to carcinogenicity to humans.
Silicon dioxide, crystalline (CAS 14808-60-7)	1 Carcinogenic to humans.

## US NTP Report on Carcinogens: Known carcinogen

Beryllium (CAS 7440-41-7)	Known To Be Human Carcinogen.
Silicon dioxide, crystalline (CAS 14808-60-7)	Known To Be Human Carcinogen.

<b>Mutagenicity</b>	Not classified.
<b>Reproductive effects</b>	Not classified.
<b>Symptoms and target organs</b>	Irritation of nose and throat. Irritation of eyes and mucous membranes. May cause respiratory tract irritation. Shortness of breath.

## 12. Ecological Information

<b>Ecotoxicity</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>Environmental effects</b>	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
<b>Persistence and degradability</b>	The product is not biodegradable.
<b>Bioaccumulation / Accumulation</b>	The product is not bioaccumulating.

## 13. Disposal Considerations

<b>Waste codes</b>	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Disposal instructions</b>	Dispose in accordance with all applicable regulations.
<b>Waste from residues / unused products</b>	Dispose in accordance with all applicable regulations.
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. Transport Information

<b>DOT</b>	Not regulated as a hazardous material by DOT.
<b>IATA</b>	Not regulated as dangerous goods.
<b>IMDG</b>	Not regulated as dangerous goods.
<b>TDG</b>	Not regulated as dangerous goods.

## 15. Regulatory Information

<b>US federal regulations</b>	OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.
<b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)</b>	Not regulated.
<b>Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List</b>	
Beryllium (CAS 7440-41-7)	
<b>US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration</b>	
Aluminum oxide (CAS 1344-28-1)	1.0 %
Beryllium (CAS 7440-41-7)	0.1 %
<b>US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance</b>	
Aluminum oxide (CAS 1344-28-1)	Listed.
Beryllium (CAS 7440-41-7)	Listed.
<b>CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)</b>	
None	

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

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

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** Yes

**Drug Enforcement Administration (DEA) (21 CFR 1308.11-15)** Not controlled

**Canadian regulations** This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**WHMIS status** Non-controlled

**Inventory status**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**State regulations** WARNING: This product contains chemical(s) 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 oxide (CAS 1344-28-1)	Listed.
Beryllium (CAS 7440-41-7)	Listed.
Calcium oxide (CAS 1305-78-8)	Listed.
Glass, oxide, chemicals (CAS 65997-17-3)	Listed.
Iron oxide (CAS 1309-37-1)	Listed.
Magnesium oxide (CAS 1309-48-4)	Listed.
Silicon dioxide (CAS 7631-86-9)	Listed.

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

Beryllium (CAS 7440-41-7)	Listed.
Glass, oxide, chemicals (CAS 65997-17-3)	Listed.
Silicon dioxide, crystalline (CAS 14808-60-7)	Listed.

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

Beryllium (CAS 7440-41-7)	Listed: October 1, 1987 Carcinogenic.
Glass, oxide, chemicals (CAS 65997-17-3)	Listed: July 1, 1990 Carcinogenic.
Silicon dioxide, crystalline (CAS 14808-60-7)	Listed: October 1, 1988 Carcinogenic.

**US. Massachusetts RTK - Substance List**

Aluminum oxide (CAS 1344-28-1)	Listed.
Beryllium (CAS 7440-41-7)	Listed.
Calcium oxide (CAS 1305-78-8)	Listed.
Glass, oxide, chemicals (CAS 65997-17-3)	Listed.
Iron oxide (CAS 1309-37-1)	Listed.
Magnesium oxide (CAS 1309-48-4)	Listed.



Silicon dioxide (CAS 7631-86-9) Listed.  
Silicon dioxide, crystalline (CAS 14808-60-7) Listed.

**US. New Jersey Worker and Community Right-to-Know Act**

Aluminum oxide (CAS 1344-28-1)  
Beryllium (CAS 7440-41-7)  
Calcium oxide (CAS 1305-78-8)  
Glass, oxide, chemicals (CAS 65997-17-3)  
Iron oxide (CAS 1309-37-1)  
Magnesium oxide (CAS 1309-48-4)  
Potassium Oxide (CAS 12136-45-7)  
Silicon dioxide (CAS 7631-86-9)  
Silicon dioxide, crystalline (CAS 14808-60-7)

**US. Pennsylvania Worker and Community Right-to-Know Law**

Aluminum oxide (CAS 1344-28-1)  
Beryllium (CAS 7440-41-7)  
Calcium oxide (CAS 1305-78-8)  
Glass, oxide, chemicals (CAS 65997-17-3)  
Iron oxide (CAS 1309-37-1)  
Magnesium oxide (CAS 1309-48-4)  
Silicon dioxide (CAS 7631-86-9)  
Silicon dioxide, crystalline (CAS 14808-60-7)

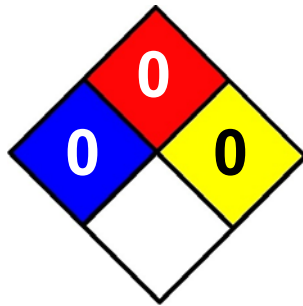
**Mexico regulations** This safety data sheet was prepared in accordance with the Official Mexican Standard (NOM-018-STPS-2000).

**16. Other Information**

**Further information**

HMIS® is a registered trade and service mark of the NPCA.  
A HMIS® Health rating including an \* indicates a chronic hazard.

**NFPA Ratings**



**Disclaimer**

The information in the sheet was written based on the best knowledge and experience currently available.