

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

073652708

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

073652740

**DENTSPLY International**  
**DENTSPLY PROSTHETICS**

**Safety Data Sheet**

Date Issued: 13 October 2004

Document Number: 303

Date Revised: 25 January 2012


Revision Number: 3

**Trade Name (as labeled):** System 18™ Investment  
**Product Identifier (Part/Item Number):** N022265  
**U.N. Number:** Not Regulated  
**U.N. Dangerous Goods Classification:** Not Regulated  
**Recommended Use:** Use for Casting and Dental Models  
**Restrictions on Use:** For Professional Use Only  
**Manufacturer/Supplier Name:** Dentsply Prosthetics  
**Manufacturer/Supplier Address:** 570 West College Ave.  
York, PA 17405-0872  
**Manufacturer/Supplier Telephone Number:** 717-845-7511 (Product Information)  
**Emergency Contact Telephone Number:** 800-424-9300 Chemtrec  
**Email address:** Prosthetics\_MSDS@Dentsply.com

**EU Classification (1999/45/EC):** Harmful (Xn) R48/20

Refer to Section 16 for the full text of the EU Classifications and R Phrases.

**Labeling in accordance with 1999/45/EC**

 Harmful	Contains Crystalline Silica Quartz R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation. S22 Do not breathe dust. S38 In case of insufficient ventilation, wear suitable respiratory equipment.
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**US Hazard Classification:** Hazardous

# HAZARDOUS INFORMATION

Hazardous Components	C.A.S. #	EINECS #	Substance Classification	WT %
Quartz	14808-60-7	238-878-4	Xn R48/20	>99
Magnesium Oxide	1309-48-4	215-171-9	Not applicable	<1




Refer to Section 16 for the full text of the GHS and H phrases and EU Classifications and R Phrases.

# HAZARDOUS INFORMATION

Routes of Exposure	First Aid Instructions
Eye	Flush eyes with large quantities of water, holding the eyelids apart. Get medical attention if irritation develops and persists.
Skin	No first aid is generally required. Wash skin with soap and water after use.
Inhalation	Remove to fresh air. If irritation or other symptoms persist, get medical attention.
Ingestion	Large amounts may cause gastrointestinal discomfort. If swallowed, drink 1 or 2 glasses of water to dilute. Never give anything by mouth to an unconscious or convulsing person. Get medical attention.
Most important symptoms of exposure	May cause eye irritation. Inhalation of dust may cause mucous membrane and respiratory irritation. Prolonged overexposure to respirable crystalline silica may cause lung disease (silicosis) and increase the risk of lung cancer. Risk of cancer depends on duration and level of exposure.
Note to Physicians (Treatment, Testing, and Monitoring): Treat symptomatically.	

# HAZARDOUS INFORMATION

Suitable Extinguishing Media:	Use media appropriate to the surrounding fire.
Fire Fighting Procedures:	Use water to cool fire-exposed containers.
Specific Hazards Arising from the Chemical:	None known.
Precautions for Fire Fighters:	Firefighters should wear full emergency equipment and approved positive pressure self-contained breathing apparatus in fires involving chemicals.


Recommended Protective Equipment for Fire Fighters:			
EYES/FACE	HANDS	RESPIRATORY	THERMAL
			

**Personal Precautions, PPE and Emergency Procedures:** Avoid contact with eyes. Do not breathe dust. Wear protective clothing and equipment as described in Section 8.

**Environmental Precautions:** None known.

**Methods and Materials for Containment and Clean-up:** Collect using dustless method (HEPA vacuum or wet method) and place in appropriate container for use. Do not use compressed air.

**Recommended Personal Protective Equipment for Containment and Clean-up:**


EYES/FACE	HANDS	RESPIRATORY	SKIN
			

**Precautions for Safe Handling:** Wear protective clothing and equipment as described in Section 8. Use with adequate ventilation and proper dust collection methods to keep exposure level below occupational exposure limits. Wash thoroughly with soap and water after handling. Keep containers closed when not in use.

**Conditions for Safe Storage:** Store in a cool, dry, well ventilated area away from incompatible materials. Protect from physical damage.

**Occupational Exposure Limits:**

Crystalline Silica Quartz	United States	10 mg/m <sup>3</sup> TWA OSHA PEL (respirable fraction) % Silica + 2 0.025 mg/m <sup>3</sup> TWA ACGIH TLV (respirable fraction)
	Germany	0.15 mg/m <sup>3</sup> TWA DFG MAK
	United Kingdom	0.3 mg/m <sup>3</sup> TWA UK WEL
	European Union	None Established
Magnesium Oxide	United States	10 mg/m <sup>3</sup> TWA ACGIH TLV (Inhalable) 15 mg/m <sup>3</sup> TWA OSHA PEL (Total Dust)

	Germany	4 mg/m <sup>3</sup> TWA DFG MAK (Inhalable) 1.5 mg/m <sup>3</sup> TWA DFG MAK (Respirable Fraction)	
	United Kingdom	10 mg/m <sup>3</sup> TWA UK WEL (Inhalable) 4 mg/m <sup>3</sup> TWA UK WEL (Respirable Fraction)	
	European Union	None Established	
<b>Biological Exposure Limits:</b> None established			
<b>Appropriate Engineering Controls:</b> Use with adequate local exhaust ventilation to maintain exposures below the occupational exposure limits.			
<b>Individual Protection Measures (PPE)</b> <b>Specific Eye/face Protection:</b> Safety glasses or goggles if needed to avoid eye contact <b>Specific Skin Protection:</b> None normally required. <b>Specific Respiratory Protection:</b> If the exposure limits are exceeded an approved particulate respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with applicable regulations and good industrial hygiene practice. <b>Specific Thermal Hazards:</b> None known			
<b>Recommended Personal Protective Equipment</b>			
<b>EYES/FACE</b>	<b>HANDS</b>	<b>RESPIRATORY</b>	<b>SKIN</b>
			
<b>Environmental Exposure Controls:</b> None required for normal use.			
<b>General Hygiene Considerations and Work Practices:</b> Wash thoroughly after handling. Wear impervious clothing as needed to avoid contamination of personal clothing.			
<b>Protective Measures During Repair and Maintenance of Contaminated Equipment:</b> Wear appropriate protective clothing and equipment.			



<b>Appearance:</b>	White or tan colored free flowing sand	<b>Explosive limits:</b>	LEL: Not applicable UEL: Not applicable
<b>Odor:</b>	No odor	<b>Vapor pressure:</b>	10 mmHg @ 1730°C
<b>Odor threshold:</b>	Not available	<b>Vapor density:</b>	Not applicable
<b>pH:</b>	Not applicable	<b>Relative density:</b>	2.65
<b>Melting/freezing point:</b>	Not available	<b>Solubility:</b>	Insoluble
<b>Initial boiling point and range:</b>	2230°C	<b>Partition coefficient: n-octanol/water:</b>	Not applicable

<b>Flash point:</b>	Not flammable	<b>Auto-ignition temperature:</b>	Not available
<b>Evaporation rate:</b>	None	<b>Decomposition temperature:</b>	Not available
<b>Flammability:</b>	Not flammable	<b>Viscosity:</b>	Not applicable
<b>Explosive Properties:</b>	Not explosive	<b>Oxidizing Properties:</b>	None
<b>% Volatile by Volume:</b>	0		

### PHYSICAL AND CHEMICAL PROPERTIES

<b>Reactivity:</b> Non-reactive
<b>Chemical Stability:</b> Stable
<b>Possibility of Hazardous Reactions:</b> Hazardous polymerization will not occur.
<b>Conditions to Avoid:</b> None known.
<b>Incompatible materials:</b> Avoid oxidizing agents.
<b>Hazardous Decomposition Products:</b> Crystalline silica will dissolve in hydrofluoric acid and produce silicon tetrafluoride.

### TOXICOLOGICAL INFORMATION

<b><u>Potential Health Effects:</u></b>
<b>Eyes:</b> Contact may cause mechanical irritation and possible injury.
<b>Skin:</b> No adverse effects are expected.
<b>Ingestion:</b> No adverse effects expected for normal, incidental ingestion. Large amounts may cause gastrointestinal irritation.
<b>Inhalation:</b> Inhalation of dust may cause irritation to the nose, throat and upper respiratory tract with coughing and shortness of breath.
<b>Chronic Health Effects:</b> Excessive inhalation of respirable crystalline silica dust may cause a progressive, disabling and sometimes fatal lung disease called silicosis. Symptoms include cough, shortness of breath, wheezing, non-specific chest illness and reduced pulmonary function.
<b>Carcinogenicity:</b> Crystalline silica quartz is listed as "Carcinogenic to Humans" (Group 1) by IARC and "Known to be a Human Carcinogen" by NTP.
<b>Mutagenicity:</b> No data available. This product is not expected to cause mutagenic activity.
<b>Medical Conditions Aggravated by Exposure:</b> Individuals with pre-existing skin and respiratory disorders may be at increased risk from exposure.
<b><u>Acute Toxicity Data:</u></b>
Crystalline Silica: Oral Rat LD50 - >22,500 mg/kg.

**Reproductive Toxicity Data:** No data available. This product is not expected to cause adverse reproductive effects.

**Specific Target Organ Toxicity (STOT):**

**Single Exposure:** No data available.

**Repeated Exposure:** Excessive inhalation of respirable crystalline silica dust may cause lung cancer.

**Toxicity:**

Crystalline Silica Quartz: 72 hr LC50 carp: >10,000 mg/L. This product is not expected to present an environmental hazard.

**Persistence and Degradability:** No data is currently available.

**Bio-accumulative Potential:** No data is currently available.

**Mobility in Soil:** No data is currently available.

**Other Adverse Effects:** No data is currently available.

**Results of PBT/vPvB Assessment:** No data is currently available.

**Regulations:** Dispose in accordance with all national and local regulations.

**Properties (Physical/Chemical) Affecting Disposal:** Empty containers retain product residues that can be hazardous. Follow all MSDS precautions when handling empty containers.

**Waste Treatment Recommendations:** Dispose in accordance with all national and local regulations. Avoid generating airborne dust.

**TRANSPORT INFORMATION**

<b>UN Number:</b>	ADR/RID: None	IMDG: None	IATA: None	DOT: None
<b>UN proper shipping name:</b>	ADR/RID: Not Regulated IMDG: Not Regulated IATA: Not Regulated DOT: Not Regulated			
<b>Transport hazard class(es):</b>	ADR/RID: None	IMDG: None	IATA: None	DOT: None
<b>Packaging group:</b>	ADR/RID: None	IMDG: None	IATA: None	DOT: None
<b>Environmental hazards:</b>	ADR/RID: No	IMDG Marine pollutant: No	IATA: No	DOT: No

Special precautions for user: Not applicable

### U.S. Federal Regulations

**US OSHA Hazard Classification:** Carcinogen.

**Comprehensive Environmental Response and Liability Act of 1980 (CERCLA):** This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**Toxic Substances Control Act (TSCA):** All of the components of this product are listed on the TSCA inventory.

**Clean Water Act (CWA):** This material is not regulated under the Clean Water Act

**Clean Air Act (CAA):** This material is not regulated under the Clean Air Act

**Superfund Amendments and Reauthorization Act (SARA) Title III Information:**

**SARA Section 311/312 (40 CFR 370) Hazard Categories:**

<b>Immediate Hazard:</b>	No	<b>Pressure Hazard:</b>	No
<b>Delayed Hazard:</b>	Yes	<b>Reactivity Hazard:</b>	No
<b>Fire Hazard:</b>	No		

**This product contains the following toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372):**

Components	C.A.S. #	WT %
None		

### State Regulations

**California:** This product contains the following chemicals(s) known to the State of California to cause cancer, birth defects or reproductive harm:

Components	C.A.S. #	WT %
Crystalline silica, quartz	14808-60-7	>99%

### International Regulations

**Canadian Environmental Protection Act:** All of the components in this product are listed on the Domestic Substances List (DSL).

**Canadian Workplace Hazardous Materials Information System (WHMIS):** Class D Division 2A (Very toxic material causing other toxic effects).

**European Inventory of Existing Chemicals (EINECS):** All of the components in this product are listed on the EINECS inventory.

**EU REACH:** All components requiring registration have been pre-registered.



**Australian Inventory of Chemical Substances:** All of the components in this product are listed on the AICS for Australia.

**China Inventory of Existing Chemicals and Chemical Substances:** All of the components in this product are listed on the IECSC for China.

**Korean Existing Chemicals List:** All of the components in this product are listed on the KECL for Korea.

**Philippine Inventory of Chemicals and Chemical Substances:** All of the components in this product are listed on the PICCS.

**HMIS Hazard Rating:**

Health -0\*      Flammability - 0      Physical Hazard- 0

Full text of Classification abbreviations used in Section 2 and 3:

Xn Harmful

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Supersedes: 04 May 2007

Revision Summary: Change in format. Comprehensive review. Changes to all sections.

Data Sources: US NLM ChemID Plus and HSDB, Substance SDS for components, IUCLID Dataset EU Chemical Bureau, ESIS, Country websites for occupational exposure limits.

**DENTSPLY International**  
**DENTSPLY PROSTHETICS**

**Safety Data Sheet**

Date Issued: 13 October 2004

Document Number: 303

Date Revised: 25 January 2012


Revision Number: 3

**Trade Name (as labeled):** System 18™ Investment  
**Product Identifier (Part/Item Number):** N022265  
**U.N. Number:** Not Regulated  
**U.N. Dangerous Goods Classification:** Not Regulated  
**Recommended Use:** Use for Casting and Dental Models  
**Restrictions on Use:** For Professional Use Only  
**Manufacturer/Supplier Name:** Dentsply Prosthetics  
**Manufacturer/Supplier Address:** 570 West College Ave.  
York, PA 17405-0872  
**Manufacturer/Supplier Telephone Number:** 717-845-7511 (Product Information)  
**Emergency Contact Telephone Number:** 800-424-9300 Chemtrec  
**Email address:** Prosthetics\_MSDS@Dentsply.com

**EU Classification (1999/45/EC):** Harmful (Xn) R48/20

Refer to Section 16 for the full text of the EU Classifications and R Phrases.

**Labeling in accordance with 1999/45/EC**

 Harmful	Contains Crystalline Silica Quartz R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation. S22 Do not breathe dust. S38 In case of insufficient ventilation, wear suitable respiratory equipment.
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**US Hazard Classification:** Hazardous

# HAZARDOUS INFORMATION AND PRECAUTIONS STATEMENTS

Hazardous Components	C.A.S. #	EINECS #	Substance Classification	WT %
Quartz	14808-60-7	238-878-4	Xn R48/20	>99
Magnesium Oxide	1309-48-4	215-171-9	Not applicable	<1




Refer to Section 16 for the full text of the GHS and H phrases and EU Classifications and R Phrases.

# HAZARDOUS INFORMATION AND PRECAUTIONS STATEMENTS

Routes of Exposure	First Aid Instructions
Eye	Flush eyes with large quantities of water, holding the eyelids apart. Get medical attention if irritation develops and persists.
Skin	No first aid is generally required. Wash skin with soap and water after use.
Inhalation	Remove to fresh air. If irritation or other symptoms persist, get medical attention.
Ingestion	Large amounts may cause gastrointestinal discomfort. If swallowed, drink 1 or 2 glasses of water to dilute. Never give anything by mouth to an unconscious or convulsing person. Get medical attention.
Most important symptoms of exposure	May cause eye irritation. Inhalation of dust may cause mucous membrane and respiratory irritation. Prolonged overexposure to respirable crystalline silica may cause lung disease (silicosis) and increase the risk of lung cancer. Risk of cancer depends on duration and level of exposure.
Note to Physicians (Treatment, Testing, and Monitoring): Treat symptomatically.	

# HAZARDOUS INFORMATION AND PRECAUTIONS STATEMENTS

Suitable Extinguishing Media:	Use media appropriate to the surrounding fire.
Fire Fighting Procedures:	Use water to cool fire-exposed containers.
Specific Hazards Arising from the Chemical:	None known,
Precautions for Fire Fighters:	Firefighters should wear full emergency equipment and approved positive pressure self-contained breathing apparatus in fires involving chemicals.


Recommended Protective Equipment for Fire Fighters:			
EYES/FACE	HANDS	RESPIRATORY	THERMAL
			

**Personal Precautions, PPE and Emergency Procedures:** Avoid contact with eyes. Do not breathe dust. Wear protective clothing and equipment as described in Section 8.

**Environmental Precautions:** None known.

**Methods and Materials for Containment and Clean-up:** Collect using dustless method (HEPA vacuum or wet method) and place in appropriate container for use. Do not use compressed air.

**Recommended Personal Protective Equipment for Containment and Clean-up:**


EYES/FACE	HANDS	RESPIRATORY	SKIN
			

**Precautions for Safe Handling:** Wear protective clothing and equipment as described in Section 8. Use with adequate ventilation and proper dust collection methods to keep exposure level below occupational exposure limits. Wash thoroughly with soap and water after handling. Keep containers closed when not in use.

**Conditions for Safe Storage:** Store in a cool, dry, well ventilated area away from incompatible materials. Protect from physical damage.

**Occupational Exposure Limits:**

Crystalline Silica Quartz	United States	10 mg/m <sup>3</sup> TWA OSHA PEL (respirable fraction) % Silica + 2 0.025 mg/m <sup>3</sup> TWA ACGIH TLV (respirable fraction)
	Germany	0.15 mg/m <sup>3</sup> TWA DFG MAK
	United Kingdom	0.3 mg/m <sup>3</sup> TWA UK WEL
	European Union	None Established
Magnesium Oxide	United States	10 mg/m <sup>3</sup> TWA ACGIH TLV (Inhalable)
		15 mg/m <sup>3</sup> TWA OSHA PEL (Total Dust)

	Germany	4 mg/m <sup>3</sup> TWA DFG MAK (Inhalable) 1.5 mg/m <sup>3</sup> TWA DFG MAK (Respirable Fraction)	
	United Kingdom	10 mg/m <sup>3</sup> TWA UK WEL (Inhalable) 4 mg/m <sup>3</sup> TWA UK WEL (Respirable Fraction)	
	European Union	None Established	
<b>Biological Exposure Limits:</b> None established			
<b>Appropriate Engineering Controls:</b> Use with adequate local exhaust ventilation to maintain exposures below the occupational exposure limits.			
<b>Individual Protection Measures (PPE)</b> <b>Specific Eye/face Protection:</b> Safety glasses or goggles if needed to avoid eye contact <b>Specific Skin Protection:</b> None normally required. <b>Specific Respiratory Protection:</b> If the exposure limits are exceeded an approved particulate respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with applicable regulations and good industrial hygiene practice. <b>Specific Thermal Hazards:</b> None known			
<b>Recommended Personal Protective Equipment</b>			
<b>EYES/FACE</b>	<b>HANDS</b>	<b>RESPIRATORY</b>	<b>SKIN</b>
			
<b>Environmental Exposure Controls:</b> None required for normal use.			
<b>General Hygiene Considerations and Work Practices:</b> Wash thoroughly after handling. Wear impervious clothing as needed to avoid contamination of personal clothing.			
<b>Protective Measures During Repair and Maintenance of Contaminated Equipment:</b> Wear appropriate protective clothing and equipment.			



<b>Appearance:</b>	White or tan colored free flowing sand	<b>Explosive limits:</b>	LEL: Not applicable UEL: Not applicable
<b>Odor:</b>	No odor	<b>Vapor pressure:</b>	10 mmHg @ 1730°C
<b>Odor threshold:</b>	Not available	<b>Vapor density:</b>	Not applicable
<b>pH:</b>	Not applicable	<b>Relative density:</b>	2.65
<b>Melting/freezing point:</b>	Not available	<b>Solubility:</b>	Insoluble
<b>Initial boiling point and range:</b>	2230°C	<b>Partition coefficient: n-octanol/water:</b>	Not applicable

<b>Flash point:</b>	Not flammable	<b>Auto-ignition temperature:</b>	Not available
<b>Evaporation rate:</b>	None	<b>Decomposition temperature:</b>	Not available
<b>Flammability:</b>	Not flammable	<b>Viscosity:</b>	Not applicable
<b>Explosive Properties:</b>	Not explosive	<b>Oxidizing Properties:</b>	None
<b>% Volatile by Volume:</b>	0		

### PHYSICAL AND CHEMICAL PROPERTIES

<b>Reactivity:</b> Non-reactive
<b>Chemical Stability:</b> Stable
<b>Possibility of Hazardous Reactions:</b> Hazardous polymerization will not occur.
<b>Conditions to Avoid:</b> None known.
<b>Incompatible materials:</b> Avoid oxidizing agents.
<b>Hazardous Decomposition Products:</b> Crystalline silica will dissolve in hydrofluoric acid and produce silicon tetrafluoride.

### TOXICOLOGICAL INFORMATION

<b><u>Potential Health Effects:</u></b>
<b>Eyes:</b> Contact may cause mechanical irritation and possible injury.
<b>Skin:</b> No adverse effects are expected.
<b>Ingestion:</b> No adverse effects expected for normal, incidental ingestion. Large amounts may cause gastrointestinal irritation.
<b>Inhalation:</b> Inhalation of dust may cause irritation to the nose, throat and upper respiratory tract with coughing and shortness of breath.
<b>Chronic Health Effects:</b> Excessive inhalation of respirable crystalline silica dust may cause a progressive, disabling and sometimes fatal lung disease called silicosis. Symptoms include cough, shortness of breath, wheezing, non-specific chest illness and reduced pulmonary function.
<b>Carcinogenicity:</b> Crystalline silica quartz is listed as "Carcinogenic to Humans" (Group 1) by IARC and "Known to be a Human Carcinogen" by NTP.
<b>Mutagenicity:</b> No data available. This product is not expected to cause mutagenic activity.
<b>Medical Conditions Aggravated by Exposure:</b> Individuals with pre-existing skin and respiratory disorders may be at increased risk from exposure.
<b><u>Acute Toxicity Data:</u></b>
Crystalline Silica: Oral Rat LD50 - >22,500 mg/kg.

**Reproductive Toxicity Data:** No data available. This product is not expected to cause adverse reproductive effects.

**Specific Target Organ Toxicity (STOT):**

**Single Exposure:** No data available.

**Repeated Exposure:** Excessive inhalation of respirable crystalline silica dust may cause lung cancer.

**Toxicity:**

Crystalline Silica Quartz: 72 hr LC50 carp: >10,000 mg/L. This product is not expected to present an environmental hazard.

**Persistence and Degradability:** No data is currently available.

**Bio-accumulative Potential:** No data is currently available.

**Mobility in Soil:** No data is currently available.

**Other Adverse Effects:** No data is currently available.

**Results of PBT/vPvB Assessment:** No data is currently available.

**Regulations:** Dispose in accordance with all national and local regulations.

**Properties (Physical/Chemical) Affecting Disposal:** Empty containers retain product residues that can be hazardous. Follow all MSDS precautions when handling empty containers.

**Waste Treatment Recommendations:** Dispose in accordance with all national and local regulations. Avoid generating airborne dust.

**TRANSPORT INFORMATION**

<b>UN Number:</b>	ADR/RID: None	IMDG: None	IATA: None	DOT: None
<b>UN proper shipping name:</b>	ADR/RID: Not Regulated IMDG: Not Regulated IATA: Not Regulated DOT: Not Regulated			
<b>Transport hazard class(es):</b>	ADR/RID: None	IMDG: None	IATA: None	DOT: None
<b>Packaging group:</b>	ADR/RID: None	IMDG: None	IATA: None	DOT: None
<b>Environmental hazards:</b>	ADR/RID: No	IMDG Marine pollutant: No	IATA: No	DOT: No

Special precautions for user: Not applicable

### U.S. Federal Regulations

**US OSHA Hazard Classification:** Carcinogen.

**Comprehensive Environmental Response and Liability Act of 1980 (CERCLA):** This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**Toxic Substances Control Act (TSCA):** All of the components of this product are listed on the TSCA inventory.

**Clean Water Act (CWA):** This material is not regulated under the Clean Water Act

**Clean Air Act (CAA):** This material is not regulated under the Clean Air Act

**Superfund Amendments and Reauthorization Act (SARA) Title III Information:**

**SARA Section 311/312 (40 CFR 370) Hazard Categories:**

<b>Immediate Hazard:</b>	No	<b>Pressure Hazard:</b>	No
<b>Delayed Hazard:</b>	Yes	<b>Reactivity Hazard:</b>	No
<b>Fire Hazard:</b>	No		

**This product contains the following toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372):**

Components	C.A.S. #	WT %
None		

### State Regulations

**California:** This product contains the following chemicals(s) known to the State of California to cause cancer, birth defects or reproductive harm:

Components	C.A.S. #	WT %
Crystalline silica, quartz	14808-60-7	>99%

### International Regulations

**Canadian Environmental Protection Act:** All of the components in this product are listed on the Domestic Substances List (DSL).

**Canadian Workplace Hazardous Materials Information System (WHMIS):** Class D Division 2A (Very toxic material causing other toxic effects).

**European Inventory of Existing Chemicals (EINECS):** All of the components in this product are listed on the EINECS inventory.

**EU REACH:** All components requiring registration have been pre-registered.



**Australian Inventory of Chemical Substances:** All of the components in this product are listed on the AICS for Australia.

**China Inventory of Existing Chemicals and Chemical Substances:** All of the components in this product are listed on the IECSC for China.

**Korean Existing Chemicals List:** All of the components in this product are listed on the KECL for Korea.

**Philippine Inventory of Chemicals and Chemical Substances:** All of the components in this product are listed on the PICCS.

**HMIS Hazard Rating:**

Health -0\*      Flammability - 0      Physical Hazard- 0

Full text of Classification abbreviations used in Section 2 and 3:

Xn Harmful

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Supersedes: 04 May 2007

Revision Summary: Change in format. Comprehensive review. Changes to all sections.

Data Sources: US NLM ChemID Plus and HSDB, Substance SDS for components, IUCLID Dataset EU Chemical Bureau, ESIS, Country websites for occupational exposure limits.