

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 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.

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.	

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

	Germany	4 mg/m ³ TWA DFG MAK (Inhalable) 1.5 mg/m ³ TWA DFG MAK (Respirable Fraction)	
	United Kingdom	10 mg/m ³ TWA UK WEL (Inhalable) 4 mg/m ³ TWA UK WEL (Respirable Fraction)	
	European Union	None Established	
Biological Exposure Limits: None established			
Appropriate Engineering Controls: Use with adequate local exhaust ventilation to maintain exposures below the occupational exposure limits.			
Individual Protection Measures (PPE) Specific Eye/face Protection: Safety glasses or goggles if needed to avoid eye contact Specific Skin Protection: None normally required. Specific Respiratory Protection: 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. Specific Thermal Hazards: None known			
Recommended Personal Protective Equipment			
EYES/FACE	HANDS	RESPIRATORY	SKIN
			
Environmental Exposure Controls: None required for normal use.			
General Hygiene Considerations and Work Practices: Wash thoroughly after handling. Wear impervious clothing as needed to avoid contamination of personal clothing.			
Protective Measures During Repair and Maintenance of Contaminated Equipment: Wear appropriate protective clothing and equipment.			



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

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



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



<u>Potential Health Effects:</u>
Eyes: Contact may cause mechanical irritation and possible injury.
Skin: No adverse effects are expected.
Ingestion: No adverse effects expected for normal, incidental ingestion. Large amounts may cause gastrointestinal irritation.
Inhalation: Inhalation of dust may cause irritation to the nose, throat and upper respiratory tract with coughing and shortness of breath.
Chronic Health Effects: 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.
Carcinogenicity: Crystalline silica quartz is listed as "Carcinogenic to Humans" (Group 1) by IARC and "Known to be a Human Carcinogen" by NTP.
Mutagenicity: No data available. This product is not expected to cause mutagenic activity.
Medical Conditions Aggravated by Exposure: Individuals with pre-existing skin and respiratory disorders may be at increased risk from exposure.
Acute Toxicity Data: 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

UN Number:	ADR/RID: None	IMDG: None	IATA: None	DOT: None
UN proper shipping name:	ADR/RID: Not Regulated IMDG: Not Regulated IATA: Not Regulated DOT: Not Regulated			
Transport hazard class(es):	ADR/RID: None	IMDG: None	IATA: None	DOT: None
Packaging group:	ADR/RID: None	IMDG: None	IATA: None	DOT: None
Environmental hazards:	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:

Immediate Hazard:	No	Pressure Hazard:	No
Delayed Hazard:	Yes	Reactivity Hazard:	No
Fire Hazard:	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 chemical(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

Safety Data Sheet

Safety Data Sheet (in compliance with Regulation (EC) 1907/2006, Regulation (EC) 1272/2008 and Regulation (EC) 453/2010), US 29CFR1910.1200, Canada Hazardous Products Regulation

Date Issued: 13 October 2004
Document Number: 303
Date Revised: 3 August 2017
Revision Number: 5

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier:

Trade Name (as labeled): System 18™ Investment
Part/Item Number: N022265

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:

Recommended Use: Use for Casting and Dental Models
Restrictions on Use: For Professional Use Only

1.3 Details of the Supplier of the Safety Data Sheet:

Manufacturer/Supplier Name: Dentsply Sirona Prosthetics
Manufacturer/Supplier Address: 570 West College Ave.
York, PA 17401
Manufacturer/Supplier Telephone Number: 717-845-7511 (Product Information)
Email address: Prosthetics_MSDS@Dentsplysirona.com

1.4 Emergency Telephone Number:

Emergency Contact Telephone Number: 800-424-9300 Chemtrec

2. HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture:

GHS Classification:		
Health	Environmental	Physical
Carcinogenicity Category 1A (H350) Specific Target Organ Toxicity – Repeated Exposure Category 1 (H372)	Not Hazardous	Not Hazardous

2.2 Label Elements:



Signal Word: Danger

Contains: Crystalline Silica (Quartz)

Hazard Phrases	Precautionary Phrases
H350 May cause cancer by inhalation. H372 Causes damage to lung through prolonged or repeated exposure by inhalation.	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathe dust. P264 Wash thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P281 Use personal protective equipment as required. P308 + P313 IF exposed or concerned: Get medical attention. P405 Store locked up. P501 Dispose of contents and container in accordance with local and national regulations.

2.3 Other Hazards: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixture:

Hazardous Components	C.A.S. #	EINECS # / REACH Registration #	Classification	WT %
Crystalline Silica (Quartz)	14808-60-7	238-878-4 /	Carc Cat 1A, H350 STOT –RE 1, H372	>99
Magnesium Oxide	1309-48-4	215-171-9 /	Not applicable	<1

The exact concentration is being withheld as a trade secret.

Refer to Section 16 for the full text of the GHS Classifications.

4. FIRST AID MEASURES

4.1 Description of First Aid Measures:

Eye	Flush eyes with large quantities of water, while 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 victim to fresh air. If irritation or other symptoms persist, get medical attention.
Ingestion	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.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed:

May cause mechanical 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.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed:

No immediate medical attention required.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media:	Use media appropriate for surrounding fire.
5.2 Special Hazards Arising from the Substance or Mixture:	
None known.	
5.3 Advice for Fire-Fighters:	
Fire Fighting Procedures/Precautions for Fire Fighters:	Use water to cool fire exposed containers and structures. Firefighters should wear full emergency equipment and approved positive pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:	
Avoid contact with eyes. Avoid generating dust. Do not breathe dust. Wear appropriate protective clothing as described in Section 8.	
6.2 Environmental Precautions:	
Report releases as required by local and national authorities.	
6.3 Methods and Material for Containment and Cleaning up:	
Collect using dustless method (HEPA vacuum or wet method) and place in appropriate container for use. Do not use compressed air. Do not sweep up.	
6.4 Reference to Other Sections:	
Refer to Section 8 for Personal Protective Equipment and Section 13 for Disposal information.	

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling:	
Avoid contact with the eyes. Do not breathe dust. Avoid dust generation. 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. Silica dust may be in the air without a visible dust cloud. Practice good housekeeping to prevent accumulation of dust in work areas.	
7.2 Conditions for Safe Storage, Including Any Incompatibilities: Store in a dry, well-ventilated location. Protect from physical damage.	
7.3 Specific End Use (s): For professional use only.	

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters:

Occupational Exposure Limits:

Crystalline Silica Quartz	0.05 mg/m ³ TWA OSHA PEL (respirable dust)
	0.025 mg/m ³ TWA ACGIH TLV (Respirable)
	Belgium: 0.1 mg/m ³ TWA
Magnesium Oxide	10 mg/m ³ TWA ACGIH TLV (Inhalable)
	15 mg/m ³ TWA OSHA PEL (as fume) (total particulate)
	1.5 mg/m ³ TWA DFG MAK (respirable)
	4 mg/m ³ TWA DFG MAK (inhalable)
	10 mg/m ³ TWA UK WEL (inhalable dust)
	4 mg/m ³ TWA UL WEL (fume and respirable)
	Belgium: 10 mg/m ³ TWA

Biological Exposure Limits: None Established

8.2 Exposure Controls:

Appropriate Engineering Controls: Use with adequate local exhaust ventilation to maintain exposures below the occupational exposure limits.

Individual Protection Measures (PPE):

Specific Eye/face Protection: Safety glasses or goggles if needed to avoid eye contact.

Specific Skin Protection: None normally required. For prolonged use or in dusty conditions, wear rubber gloves.

Specific Respiratory Protection: If the exposure limits are exceeded an approved particulate respirator appropriate for the form and concentration of the contaminants should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

Specific Thermal Hazards: None required

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:

Appearance:	White or tan colored free flowing sand	Explosive limits:	LEL: Not applicable UEL: Not applicable
Odor:	Odorless	Vapor pressure (mmHg):	10 mmHg @ 1730°C(3146°F)
Odor threshold:	Not applicable	Vapor density:	Not applicable
pH:	Not applicable	Relative density:	2.65
Melting/freezing point:	Not available	Solubility(ies):	In water: Insoluble
Initial boiling point and boiling range:	2230°C(4046°F)	Partition coefficient: n-octanol/water:	Not applicable

Flash point:	Not applicable	Auto-ignition temperature:	Not applicable
Evaporation rate:	Not applicable	Decomposition temperature:	Not available
Flammability (solid, gas):	Not flammable	Viscosity:	Not applicable
Explosive Properties:	Not explosive	Oxidizing Properties:	None

9.2 Other Information: None available

10. STABILITY AND REACTIVITY

10.1 Reactivity: Non-reactive
10.2 Chemical Stability: Stable under normal conditions.
10.3 Possibility of Hazardous Reactions: Hazardous polymerization will not occur.
10.4 Conditions to Avoid: None known.
10.5 Incompatible materials: Avoid oxidizing agents.
10.6 Hazardous Decomposition Products: Crystalline silica will dissolve in hydrofluoric acid and produce silicone tetrafluoride.

11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

<p><u>Potential Health Effects:</u> <u>Eyes:</u> Contact may cause mechanical irritation and possible injury. <u>Skin:</u> No adverse effects are expected. <u>Ingestion:</u> No adverse effects expected for normal, incidental ingestion. Large amounts may cause gastrointestinal irritation. <u>Inhalation:</u> Inhalation of dust may cause irritation to the nose, throat and upper respiratory tract with coughing and shortness of breath.</p>
<p><u>Chronic Health Effects:</u> 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.</p>
<p><u>Irritation:</u> This product is not expected to cause eye or skin or eye irritation. Mechanical irritation may occur.</p>
<p><u>Corrosivity:</u> No data available. This product is not corrosive.</p>
<p><u>Sensitization:</u> No data available. This product is not expected to cause sensitization.</p>
<p><u>Carcinogenicity:</u> Crystalline silica quartz is listed as "Carcinogenic to Humans" (Group 1) by IARC and "Known to be a Human Carcinogen" by NTP. None of the other components of this product are listed as carcinogens by OSHA, IARC, NTP, or the EU CLP.</p>
<p><u>Mutagenicity:</u> No data available. This product is not expected to cause mutagenicity activity.</p>

Acute Toxicity Data:

Crystalline Silica (Quartz): Oral Rat LD50 - >22,500 mg/kg.

Magnesium Oxide: Oral rat LD50- 3870 mg/kg

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

Specific Target Organ Toxicity Single Exposure (STOT-SE): No data available.

Specific Target Organ Toxicity Repeated Exposure (STOT-RE): Crystalline Silica (Quartz): Excessive inhalation of respirable crystalline silica dust has been shown to cause a progressive, disabling and sometimes fatal lung disease called silicosis in humans. Symptoms include cough, shortness of breath, wheezing, non-specific chest illness and reduced pulmonary function.

Aspiration Hazard: Not an aspiration hazard

12. ECOLOGICAL INFORMATION

12.1 Toxicity:

Crystalline Silica Quartz: 72 hr LC50 Carp - >10,000 mg/L

This product is not expected to present an environmental hazard.

12.2 Persistence and Degradability: Biodegradation is not applicable to inorganic substances such crystalline silica and magnesium oxide.

12.3 Bio-accumulative Potential: No data is currently available

12.4 Mobility in Soil: No data is currently available

12.5 Results of PBT and vPvB Assessment: Not required

12.6 Other Adverse Effects: None known

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:

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

14. TRANSPORT INFORMATION

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
DOT	None	Not Regulated	None	None	None
ADR/RID	None	Not Regulated	None	None	None
IMDG	None	Not Regulated	None	None	None
IATA/ICAO	None	Not Regulated	None	None	None

14.6 Special Precautions for User: Not applicable.

14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not applicable – product is transported only in packaged form.

15. REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:

U.S. Federal Regulations

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: Refer to Section 2 for OSHA Hazard Classification

This product contains the following toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372): None

State Regulations

California: WARNING: This product can expose you to chemicals including Crystalline Silica, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

International Regulations

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

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.

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

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

15.2 Chemical Safety Assessment: None required.

16. OTHER INFORMATION

HMIS Hazard Rating:

Health – 1* Flammability – 0 Physical Hazard – 0

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

Carc 1 Carcinogenicity Category 1

STOT RE 1 Specific Target Organ Toxicity – Repeat Exposure Category 1

H350 May cause cancer.

H372 Causes damage through prolonged or repeated exposure.

Supersedes: 2 July 2014

Date Updated: 3 August 2017

Revision Summary: 3 year update. Section 1 Manufacturer, Section 8 Exposure guidelines, Section 11 Aspiration Hazard, Section 16 SARA 311/312

Data Sources: US NLM ChemID Plus and HSDB, Substance SDS for components, ECHA REACH Registration Website, Country websites for occupational exposure limits.