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Safety Data Sheet

SECTION 1: IDENTIFICATION of the SUBSTANCE/MIXTURE and of the COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name: Broaster Cooking Well Cleaner PN 99500

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified use(s): Fryer Cleaner and Multipurpose degreaser for commercial foodservice applications

1.3 Details of the supplier of the safety data sheet

Distributor: Broaster Company 2855 Cranston Road, Beloit, WI 53511
Telephone Number: 608-365-0193 (Monday-Friday 8:00 am CT – 4:30 CT)
Fax Number: 608-365-5158 (Monday-Friday 8:00 am CT – 4:30 CT)
Emergency Telephone Number: 608-365-0193 (Monday-Friday 8:00 am CT – 4:30 CT)
SDS Date of Preparation: June 05, 2015

SECTION 2: HAZARDS IDENTIFICATION

EU/EEC

According to: Regulation (EC) No. 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]

According to: EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

CLP
Skin Corrosion 1B – H314
Serious Eye Damage 1 – H318
Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract
Irritation – H335

DSD/DPD

Corrosive (C)
Irritant (Xi)
R34, R37

2.2 Label Elements

CLP

DANGER



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Hazard statements:

H314 – Causes severe skin burns and eye damage.
H318 – Causes serious eye damage.
H335 – May cause respiratory irritation.

Precautionary Statements:

Prevention

P260 – Do not breathe dust.
P264 – Wash thoroughly after handling.
P271 – Use only outdoors or in a well-ventilated area.
P280 – Wear protective gloves, clothing, and eye/face protection.

Response

P304+P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 – Call a POISON CENTER or doctor/physician if you feel unwell.
P303+P361+P353 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363 – Wash contaminated clothing before reuse.
P321 – Specific treatment, see supplemental first aid information.
P310 – Immediately call a POISON CENTER or doctor/physician.
P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+P330+P331 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Storage/Disposal

P403+P233 – Store in a well-ventilated place. Keep container tightly closed.
P405 – Store locked up.
P501 – Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

DSD/DPD



Risk phrases

R34 – Causes burns.
R37 – Irritating to respiratory system.

Safety phrases

S36 – Wear suitable protective clothing.
S37 – Wear suitable gloves.
S39 – Wear eye/face protection.
S45 – In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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2.3 Other Hazards CLP

According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

DSD/DPD

According to European Directive 1999/45/EC this material is considered dangerous.

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 2012

Skin Corrosion 1C.
Serious Eye Damage 1.
Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation.

2.2 Label elements OSHA HCS 2012

DANGER



Hazard statements

Causes severe skin burns and eye damage.
Causes serious eye damage.
May cause respiratory irritation.

Precautionary statements Prevention

Do not breathe dust.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves, clothing, and eye/face protection.

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Response

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Call a POSITION CENTER or doctor/physician if you feel unwell.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
Specific treatment, see supplemental first aid information.
Wash contaminated clothing before reuse.
Immediately call a POSITION CENTER or doctor/physician.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Storage/Disposal

Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

2.3 Other Hazards OSHA HCS 2012

Under United States Regulations (29 CFR 1910.1200 – Hazard Communication Standard), this product is considered hazardous.

Canada According to: WHMIS

2.1 Classification of the substance or mixture

WHMIS

Other Toxic Effects – D2B
Corrosive – E

2.2 Label elements

WHMIS



Other Toxic Effects – D2B
Corrosive – E

2.3 Other hazards WHMIS

In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Material does not meet the criteria of a substance.

3.2 Mixtures

COMPOSITION					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Sodium sulfate	CAS: 7757-82-6 EC Number: 231-820-9	<50%	NDA	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	NDA
Sodium carbonate (2:1)	CAS: 497-19-8 EC Number: 207-838-8 EU Index: 011-005-00-2	<24.95 %	Ingestion/Oral-Rat LD50 -- 4090 mg/kg Inhalation -- Rat LC50 2300mg/m ³ 2 Hours(s)	EU DSD/DPD: Annex VI, Table 3.2: Xi, R36 EU CLP: Annex VI, Table 3.1: Eye Irrit. 2, H319 OSHA HCS 2012: Eye Irrit. 2	NDA
Silicic acid (H ₂ SiO ₃) disodium salt	CAS: 6834-92-0 EC Number: 229-912-9 EU Index: 014-010-00-8	<23.2%	Ingestion/Oral-Rat LD50 >1000 mg/kg	EU DSD/DPD: Annex VI, Table 3.2: C, R34; Xi, R37 EU CLP: Annex VI, Table 3.1: Skin Corr. 1B, H314; STOT SE 3: Resp. Irrit., H335 OSHA HCS 2012: Skin Corr. 1C; STOT SE 3: Resp. Irrit.; Acute Tox. 4 (orl)	NDA
Proprietary	Proprietary	<15%	Ingestion/Oral-Rat LD50 -- 3120 mg/kg Skin-Rabbit LD50 - >4640 mg/kg	EU DSD/DPD: Xi, R38 EU CLP: Skin Irrit. 2, H315 OSHA HCS 2012: Skin Irrit. 2	NDA
Phosphoric acid, trisodium salt, dodecahydrate	CAS: 10101-89-0	<2.9%	Ingestion/Oral-Rat LD50 -- 7400 mg/kg	EU DSD/DPD: Xi; R41 EU CLP: Eye Dam. 1, H318 OSHA HCS 2012: Eye Dam. 1	NDA

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation

Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. Get medical attention if symptoms occur.

Skin:

In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Take off contaminated clothing and wash before reuse. If irritation develops and persists, get medical attention.

Eye:

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye. If eye irritation persists: Get medical advice/attention.

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Ingestion:

For ingestion, rinse mouth with water then drink 1-2 glasses of water. Follow with vinegar. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Get medical attention if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

Refer to Section 11 – Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media

LARGE FIRES: Water spray, fog or regular foam.
SMALL FIRES: Dry chemical, CO₂, water spray or regular foam.

Unsuitable Extinguishing Media

No data available.

5.2 Specific hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards

Product does not support combustion.

Hazardous Combustion Products

No data available.

5.3 Advice for firefighters:

Firefighters should wear complete protective clothing including self-contained breathing apparatus.
Structural firefighter's protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions

Ventilate enclosed areas. Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

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Emergency Procedures

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stay upwind. Keep out of low areas. Keep unauthorized personnel away.

6.2 Environmental Precautions

Avoid run off to waterways and sewers.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures

Stop leak if you can do it without risk.
Avoid generating dust.
Carefully shovel or sweep up spilled material and place in suitable container.
Cover powder spill with plastic sheet or tarp to minimize spreading.

6.4 Reference to other sections

Refer to Section 8 – Exposure Controls/Personal Protection
and Section 13 – Disposal Considerations

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Handling

Use only with adequate ventilation. Use good safety and industrial hygiene practices. Do not mix with other chemicals or detergents. Wear appropriate personal protective equipment, avoid direct contact. Do not breathe dust. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Store in a dry area at temperatures less than 140°F. Do not store near ammonia or acids.

7.3 Specific end use(s)

Refer to Section 1.2 – Relevant identified uses.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Exposure Limits/Guidelines

There are no applicable exposure limits available for the ingredients or material.

8.2 Exposure Controls

Engineering Measures/Controls

Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values. Ensure that dust handling systems (such as exhaust ducts, dust collectors, vessels and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is not leakage from the equipment).

Personal Protective Equipment

Respiratory

In case of insufficient ventilation, wear suitable respiratory equipment.

Eye/Face

Wear safety glasses.

Skin/Body

Wear appropriate gloves.

Environmental Exposure Controls

Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. Follow best practice for site management and disposal of waste.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	White granular powder with no odor.
Color	White	Odor	Odorless
Odor Threshold	Data lacking		
General Properties			
Boiling Point	Data lacking	Melting Point	Data lacking
Decomposition Temperature	Data lacking	pH	Data lacking
Specific Gravity/Relative Density	~ 1.5 Water=1	Water Solubility	Soluble 100%
Viscosity	Data lacking	Explosive Properties	Data lacking
Oxidizing Properties	Data lacking		

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Volatility			
Vapor Pressure	Data lacking	Vapor Density	Data lacking
Evaporation Rate	Data lacking	VOC (Wt.)	0%
VOC (Vol.)	0%		
Flammability			
Flash Point	Data lacking	UEL	Data lacking
LEL	Data lacking	Autoignition	Data lacking
Flammability (solid, gas)	Data lacking		
Environmental			
Octano/Water Partition coefficient	Data lacking		

9.2 Other Information

No additional physical and chemical parameters noted.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical Stability

Stable under normal temperatures and pressures.

10.3 Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

10.4 Conditions to Avoid

Excess heat. Incompatible materials.

10.5 Incompatible Materials

Strong acids and ammonia.

10.6 Hazardous Decomposition Products

Chlorine and chlorinated gases evolve only in environment of extreme heat (fire).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Components		
Silicic acid (H ₂ SiO ₃) disodium salt (<23.2%)	6834-92-0	Acute Toxicity: Ingestion/Oral-Rat LD50 – 1153 mg/kg; Gastrointestinal: Ulceration or bleeding from stomach; Gastrointestinal: Ulceration or bleeding from duodenum; Gastrointestinal: Ulceration or bleeding from small intestine; Irritation: Skin-Human – 250 mg 24 Hour(s) – Severe irritation
Sodium carbonate (2:1) (<24.95%)	497-19-8	Acute Toxicity: Ingestion/Oral-Rat LD50 – 4090 mg/kg; Inhalation-Rat LC50 – 2300 mg/m ³ 2 Hour(s); Lungs, Thorax, or Respiration: Dyspnea ; Gastrointestinal: Other changes ; Irritation: Eye-Rabbit – 50 mg – Severe irritation; Skin-Rabbit – 500 mg 24 Hour(s) – Mild irritation; Multi-dose Toxicity: Inhalation-Rat TCLo – 16.2 mg/m ³ 16 Week(s) – Intermittent; Sense Organs and Special Senses: Olfaction: Changes in sensation of smell ; Lungs, Thorax, or Respiration: Emphysema ; Immunological Including Allergic: Decrease in cellular immune response
Sodium sulfate (<50%)	7757-82-6	Acute Toxicity: Ingestion/Oral-Mouse LD50 – 5989 mg/kg; Reproductive: Ingestion/Oral-Mouse TDLo – 14 g/kg (8-12D preg); Reproductive Effects: Effects on Newborn: Other neonatal measures or effects ; Tumorigen/Carcinogen: Subcutaneous-Mouse TDLo – 806 mg/kg 26 Week(s) – Intermittent; Tumorigenic: Equivocal tumorigenic agent by RTECS criteria ; Skin and Appendages: Other. Tumors
Phosphoric acid trisodium salt, dodecahydrate (<2.9%)	10101-89-0	Acute Toxicity: Ingestion/Oral-Rat LD50 – 7400 mg/kg
Proprietary (<15%)	Proprietary	Acute Toxicity: Ingestion/Oral-Rat LD50 – 3120 mg/kg; Behavioral: Somnolence (general depressed activity) ; Behavioral: Coma ; Skin-Rabbit LD50 – 4640 mg/kg; Behavioral: Somnolence (general depressed activity) ; Lungs, Thorax, or Respiration: Dyspnea ; Irritation: Skin-Rabbit – 500 mg 24 Hour(s) – Moderate irritation

GHS Properties	Classification
Acute toxicity	EU/CLP – Data lacking OSHA HCS 2012 – Data lacking
Aspiration Hazard	EU/CLP – Data lacking OSHA HCS 2012 – Data lacking
Carcinogenicity	EU/CLP – Data lacking OSHA HCS 2012 – Data lacking
Germ Cell Mutagenicity	EU/CLP – Data lacking OSHA HCS 2012 – Data lacking
Skin Corrosion/Irritation	EU/CLP – Skin Corrosion 1B OSHA HCS 2012 – Skin Corrosion 1C
Skin Sensitization	EU/CLP – Data lacking OSHA HCS 2012 – Data lacking
STOT-RE	EU/CLP – Data lacking OSHA HCS 2012 – Data lacking
STOT-SE	EU/CLP – Specific Target Organ Toxicity Single Exposure 3; Respiratory Tract Irritation OSHA HCS 2012 – Specific Target Organ Toxicity Single Exposure 3; Respiratory Tract Irritation

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Toxicity for Reproduction	EU/CLP – Data lacking OSHA HCS 2012 -- Data lacking
Respiratory Sensitization	EU/CLP – Data lacking OSHA HCS 2012 – Data lacking
Serious Eye Damage/Irritation	EU/CLP – Serious Eye Damage 1 OSHA HCS 2012 – Serious Eye Damage 1

Potential Health Effects

Inhalation

Acute (Immediate)

May cause respiratory irritation.

Chronic (Delayed)

No data available.

Skin

Acute (Immediate)

Causes severe skin burns and eye damage.

Chronic (Delayed)

No data available.

Eye

Acute (Immediate)

Causes severe eye damage.

Chronic (Delayed)

No data available.

Ingestion

Acute (Immediate)

May cause irreversible damage to mucous membranes.

Chronic (Delayed)

No data available.

Key to abbreviations

LD = Lethal Dose

TC = Toxic Concentration

TD = Toxic Dose

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Material data lacking.

12.2 Persistence and Degradability

Material data lacking.

12.3 Bioaccumulative Potential

Material data lacking.

12.4 Mobility in Soil

Material data lacking.

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12.5 Results of PBT and vPvB Assessment

No PBT and vPvB assessment has been conducted.

12.6 Other Adverse Effects

No studies have been found.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Product Waste

Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging Waste

Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
TDG	NDA	Not Regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not Regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

14.6 Special Precautions for user

None specified

14.7 Transport in bulk according To Annex II of MARPOL 73/78 and the IBC Code

Data lacking.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications

Acute

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State Right To Know				
Component	CAS	MA	NJ	PA
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Yes	No	Yes
Silicic acid (H ₂ SiO ₃) disodium salt	6834-92-0	No	No	No
Sodium carbonate (2:1)	497-19-8	No	No	No
Sodium sulfate	7757-82-6	Yes	No	Yes
Proprietary	Proprietary	Yes	No	Yes

Inventory						
Component	CAS	Canada DSL	Canada NDSL	China	EU EINECS	EU ELNICS
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	No	No	Yes	No	No
Silicic acid (H ₂ SiO ₃) disodium salt	6834-92-0	Yes	No	Yes	Yes	No
Sodium carbonate (2:1)	497-19-8	Yes	No	Yes	Yes	No
Sodium sulfate	7757-82-6	Yes	No	Yes	Yes	No
Proprietary	Proprietary	Yes	No	Yes	Yes	No

Inventory (Con't.)				
Component	CAS	Japan ENCS	Korea KECL	TSCA
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	No	No	No
Silicic acid (H ₂ SiO ₃) disodium salt	6834-92-0	Yes	Yes	Yes
Sodium carbonate (2:1)	497-19-8	Yes	Yes	Yes
Sodium sulfate	7757-82-6	Yes	Yes	Yes
Proprietary	Proprietary	Yes	Yes	Yes

Australia

Labor

Australia – Work Health and Safety Regulations – Hazardous Substances Requiring Health Monitoring

Proprietary

Silicic acid (H₂SiO₃), disodium salt

6834-92-0 Not Listed

Sodium sulfate

7757-82-6 Not Listed

Sodium carbonate (2:1)

497-19-8 Not Listed

Phosphoric acid, trisodium salt, dodecahydrate

10101-89-0 Not Listed

Australia – High Volume Industrial Chemicals List

Proprietary

Silicic acid (H₂SiO₃), disodium salt

6834-92-0 Not Listed

Sodium sulfate

7757-82-6

Sodium carbonate (2:1)

497-19-8

Phosphoric acid, trisodium salt, dodecahydrate

10101-89-0 Not Listed

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Australia – List of Designated Hazardous Substances – Classification

<i>Proprietary</i>	<i>Proprietary</i>	Not Listed
Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	C, Xi R34, R37
Sodium sulfate	7757-82-6	Not Listed
Sodium carbonate (2:1)	497-19-8	Xi R36 (listed under Sodium carbonate)
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

Environment

Australia – National Pollutant Inventory (NPI) Substance List

<i>Proprietary</i>	<i>Proprietary</i>	Not Listed
Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
Sodium sulfate	7757-82-6	Not Listed
Sodium carbonate (2:1)	497-19-8	Not Listed
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

Australia – Ozone Protection Act – Scheduled Substances

<i>Proprietary</i>	<i>Proprietary</i>	Not Listed
Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
Sodium sulfate	7757-82-6	Not Listed
Sodium carbonate (2:1)	497-19-8	Not Listed
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

Australia – Priority Existing Chemical Program

<i>Proprietary</i>	<i>Proprietary</i>	Not Listed
Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
Sodium sulfate	7757-82-6	Not Listed
Sodium carbonate (2:1)	497-19-8	Not Listed
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

Canada

Labor

Canada – WHMIS – Classifications of Substances

<i>Proprietary</i>	<i>Proprietary</i>	Not Listed
Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	E
Sodium sulfate	7757-82-6	Uncontrolled product according to WHMIS classification criteria
Sodium carbonate (2:1)	497-19-8	D2B, E
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

Canada – WHMIS – Ingredient Disclosure List

<i>Proprietary</i>	<i>Proprietary</i>	Not Listed
Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	1%
Sodium sulfate	7757-82-6	Not Listed
Sodium carbonate (2:1)	497-19-8	1%
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

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Canada – CEPA – Priority Substance List

<i>Proprietary</i>	<i>Proprietary</i>	Not Listed
Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
Sodium sulfate	7757-82-6	Not Listed
Sodium carbonate (2:1)	497-19-8	Not Listed
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

Europe

Other

EU – CLP (1272/2008) – Annex VI – Table 3.2 – Classification

<i>Proprietary</i>	<i>Proprietary</i>	Not Listed
Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	C; R34 Xi; R37
Sodium sulfate	7757-82-6	Not Listed
Sodium carbonate (2:1)	497-19-8	Xi; R36
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

EU – CLP (1272/2008) – Annex VI – Table 3.2 – Concentration Limits

<i>Proprietary</i>	<i>Proprietary</i>	Not Listed
Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
Sodium sulfate	7757-82-6	Not Listed
Sodium carbonate (2:1)	497-19-8	Not Listed
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

EU – CLP (1272/2008) – Annex VI – Table 3.2 – Labeling

<i>Proprietary</i>	<i>Proprietary</i>	Not Listed
Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	C R:34-37 S:(1/2)-13-24/25-36/37/39-45
Sodium sulfate	7757-82-6	Not Listed
Sodium carbonate (2:1)	497-19-8	Xi R:36 S:(2)-22-26
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

EU – CLP (1272/2008) – Annex VI – Table 3.2 – Notes – Substances and Preparations

<i>Proprietary</i>	<i>Proprietary</i>	Not Listed
Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
Sodium sulfate	7757-82-6	Not Listed
Sodium carbonate (2:1)	497-19-8	Not Listed
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

EU – CLP (1272/2008) – Annex VI – Table 3.2 – Safety Phrases

<i>Proprietary</i>	<i>Proprietary</i>	Not Listed
Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	S:(1/2)-13-24/25-36/37/39-45
Sodium sulfate	7757-82-6	Not Listed
Sodium carbonate (2:1)	497-19-8	S:(2)-22-26
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

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U.S. – OSHA – Process Safety Management – Highly Hazardous Chemicals

<i>Proprietary</i>	<i>Proprietary</i>	Not Listed
Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
Sodium sulfate	7757-82-6	Not Listed

Sodium carbonate (2:1)	497-19-8	Not Listed
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

U.S. – OSHA – Specifically Regulated Chemicals

<i>Proprietary</i>	<i>Proprietary</i>	Not Listed
Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
Sodium sulfate	7757-82-6	Not Listed
Sodium carbonate (2:1)	497-19-8	Not Listed
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

Environment

U.S. – CAA (Clean Air Act) – 1900 Hazardous Air Pollutants

<i>Proprietary</i>	<i>Proprietary</i>	Not Listed
Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
Sodium sulfate	7757-82-6	Not Listed
Sodium carbonate (2:1)	497-19-8	Not Listed
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

U.S. – CERCLA/SARA – Hazardous Substances and Their Reportable Quantities

<i>Proprietary</i>	<i>Proprietary</i>	Not Listed
Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
Sodium sulfate	7757-82-6	Not Listed
Sodium carbonate (2:1)	497-19-8	Not Listed
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	5000 lb final RQ (listed under Sodium phosphate, tribasic); 2270 kg final RQ (listed under Sodium phosphate, tribasic)

U.S. – CERCLA/SARA – Radionuclides and Their Reportable Quantities

<i>Proprietary</i>	<i>Proprietary</i>	Not Listed
Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
Sodium sulfate	7757-82-6	Not Listed
Sodium carbonate (2:1)	497-19-8	Not Listed
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

U.S. – CERCLA/SARA – Section 302 Extremely Hazardous Substances EPCRA RQs

<i>Proprietary</i>	<i>Proprietary</i>	Not Listed
Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
Sodium sulfate	7757-82-6	Not Listed
Sodium carbonate (2:1)	497-19-8	Not Listed
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

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U.S. – CERCLA/SARA – Section 302 Extremely Hazardous Substances TPQs

<i>Proprietary</i>	<i>Proprietary</i>	Not Listed
Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
Sodium sulfate	7757-82-6	Not Listed
Sodium carbonate (2:1)	497-19-8	Not Listed
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

U.S. – CERCLA/SARA – Section 313 – Emission Reporting

<i>Proprietary</i>	<i>Proprietary</i>	Not Listed
Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
Sodium sulfate	7757-82-6	Not Listed
Sodium carbonate (2:1)	497-19-8	Not Listed
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

U.S. – CERCLA/SARA – Section 313 – PBT Chemical Listing

<i>Proprietary</i>	<i>Proprietary</i>	Not Listed
Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
Sodium sulfate	7757-82-6	Not Listed
Sodium carbonate (2:1)	497-19-8	Not Listed
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

United States – California

Environment

U.S. – California – Proposition 65 – Carcinogens List

<i>Proprietary</i>	<i>Proprietary</i>	Not Listed
Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
Sodium sulfate	7757-82-6	Not Listed
Sodium carbonate (2:1)	497-19-8	Not Listed
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

U.S. – California – Proposition 65 – Developmental Toxicity

<i>Proprietary</i>	<i>Proprietary</i>	Not Listed
Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
Sodium sulfate	7757-82-6	Not Listed
Sodium carbonate (2:1)	497-19-8	Not Listed
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

U.S. – California – Proposition 65 – Maximum Allowable Dose Levels (MADL)

<i>Proprietary</i>	<i>Proprietary</i>	Not Listed
Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
Sodium sulfate	7757-82-6	Not Listed
Sodium carbonate (2:1)	497-19-8	Not Listed
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

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U.S. – California – Proposition 65 – No Significant Risk Levels (NSRL)

<i>Proprietary</i>	<i>Proprietary</i>	Not Listed
Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
Sodium sulfate	7757-82-6	Not Listed
Sodium carbonate (2:1)	497-19-8	Not Listed
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

U.S. – California – Proposition 65 – Reproductive Toxicity – Female

<i>Proprietary</i>	<i>Proprietary</i>	Not Listed
Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
Sodium sulfate	7757-82-6	Not Listed
Sodium carbonate (2:1)	497-19-8	Not Listed
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

U.S. – California – Proposition 65 – Reproductive Toxicity – Male

<i>Proprietary</i>	<i>Proprietary</i>	Not Listed
Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
Sodium sulfate	7757-82-6	Not Listed
Sodium carbonate (2:1)	497-19-8	Not Listed
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

United States – Pennsylvania

Labor

U.S. – Pennsylvania – RTK (Right to Know) – Environmental Hazard List

<i>Proprietary</i>	<i>Proprietary</i>	
Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed (solution)
Sodium sulfate	7757-82-6	(solution)
Sodium carbonate (2:1)	497-19-8	Not Listed
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	

U.S. – Pennsylvania – RTK (Right to Know) – Special Hazardous Substances

<i>Proprietary</i>	<i>Proprietary</i>	Not Listed
Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
Sodium sulfate	7757-82-6	Not Listed
Sodium carbonate (2:1)	497-19-8	Not Listed
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

15.2 Chemical Safety Assessment

No Chemical Safety Assessment had been carried out.

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SECTION 16: OTHER INFORMATION

Relevant Phrases (code & full text)

H315 – Causes skin irritation
H319 – Causes serious eye irritation

R36 – Irritating to eyes
R38 – Irritating to skin
R41 – Risk of serious damage to eyes

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