Issue Date: 01/13/2014

Reviewed Date: 01/03/2019

1. Company and Product Identification

1.1 Product Identifier

SAPP Double Acting Baking Powder

1.2 Details of the Supplier of the Safety Data Sheet (SDS)

Clabber Girl Corporation
900 Wabash Ave.
Terre Haute, IN 47807
1-812-232-9446 (USA)

1.3 Emergency Telephone Number

Chemtrec: 1-800-424-9300 or 1-703-527-3887 (collect calls accepted)

1.4 Recommended Use

To be used as a food additive, Leavening Agent, Processing Aid

2. Hazards Identification (Per Ingredient)

Sodium Acid Pyrophosphate:

EU/EEC and United States

- **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).**
- **According to OSHA 29 CFR 1910.1200 HCS**

Classification of Substance or Mixture:

CLP/OSHA HCS 2012: **Skin Irritation 2 – H315**

Eye Irritation 2A – H319

Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation – H335

Label Elements:

CLP / OSHA HCS 2012:

Signal Word: **Warning**

Hazard Statements:
H315 – Causes skin irritation
H319 – Causes serious eye irritation
H335 – May cause respiratory irritation

Precautionary Statements:

Prevention:
P261 – Avoid breathing dust
P264 - Wash thoroughly after handling
P271 – Use only outdoors or in well-ventilated area
P280 – Wear protective gloves/protective clothing/eye protection/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 physician if you feel unwell.
P302+P352 – If on skin wash with plenty of soap and water.
P321 – Specific treatment, see supplemental first aid information.
P332+P313 – If skin irritation occurs, get medical attention/advice.
P362 – Take off contaminated clothing and wash before reuse.
P305+P351+P338 – If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337-P313 – If eye irritation persists, get medical attention.

Storage/Disposal:
P403+P233 – Store in 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.

Other Hazards:

- **According to Regulation (EC) No 1272/2008 (CLP) this material is considered hazardous.**
- **This product is considered dangerous according to the EU Directive 67/548/EEC.**
- **Under United States Regulations (29 CFR 1910.1200 – Hazard Communication Standard), this product is considered hazardous.**

Canada

According to WHMIS

Classification of Substance or Mixture:

WHMIS **Other Toxic Effects – D2B**

Label Elements:

WHMIS:

Other Toxic Effects – D2B

Other Hazards:

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

Sodium Bicarbonate:

The consumer variant of this product is labeled in accordance with regulations and administered by the Consumer Product Safety Commission (CPSC) and the Food and Drug Administration (FDA). The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and health Administration applicable to this SDS differ from the labeling requirements of the CPSC and FDA, and as a result, this SDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

Classification of the Substance Mixture:

Classification: **Not classified**

Label Elements:

GHS-US Labeling:	**No labeling applicable**
Other Hazards:	**Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. Prolonged contact with dust can produce mechanical irritation.**
Unknown Acute Toxicity:	**Not available**

Corn Starch:

Physical Hazards:	**Not classified**
Health Hazards:	**Not classified**
OSHA Defined Hazards:	**Combustible Dust – Classification not possible**

Label Elements:

Hazard Symbol:	**None**
Signal Word:	**Warning**
Hazard Statement:	**May form combustible dust concentrations in air.**

Precautionary Statement:

Prevention:	**Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Prevent dust accumulation to minimize explosion hazard.**
Response:	**Wash hands after handling**
Storage:	**Store away from incompatible materials.**
Disposal:	**Dispose of waste and residues in accordance with local authority requirements.**

Hazards not otherwise Classified:	**None known**

Monocalcium Phosphate:

EU/EEC/United States

According to Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 43/2010]
According to OSHA 29 CFR 1910.1200 HCS

Classification of Substance or Mixture

CLP:	**Serious Eye Damage 1 – H318**
OSHA HCS 2012:	**Serious Eye Damage 1 – H318**

Label Elements:

CLP / OSHA HCS 2012:

Signal Word:	**Danger**
Hazard Statements:	**H318 –Serious eye damage**

Precautionary Statements:

Prevention:	**Wear protective gloves/protective clothing/eye protection/face protection. – P280**
Response:	**<u>If In Eyes:</u> Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing – P305+P351+P338 Immediately call a Poison Center or physician – P310**

Other Hazards:

- **According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.**
- **This product is considered dangerous according to the European Directive 67/548/EEC.**
- **Under United States Regulations (29 CFR 1910.12 – Hazard Communication Standard), this product is considered hazardous.**

<u>Canada</u>

According to WHMIS

Classification of Substance or Mixture:

WHMIS	**Corrosive – E**

Label Elements:

WHMIS:

Corrosive – E

Other Hazards:

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

3. Information on Ingredients

	Chemical Name	CAS Number	% By Weight	Synonyms
Sodium Acid Pyrophosphate	Diphosphoric Acid, Sodium Salt (1:2)	7758-16-9	100%	Disodium Pyrophosphate; SAPP; Disodium Diphosphate; Pyrophosphoric Acid, Disodium Salt; Sodium Pyrophosphate
Sodium Bicarbonate	Sodium Bicarbonate	144-55-8	100.0	Baking Soda; Bicarbonate of Soda; Bicar
Corn Starch	Corn Starch	9005-25-8	Not Available	Maize Starch
Monocalcium Phosphate Monohydrate	Phosphoric Acid, Calcium Salt (2:1), Monohydrate	10031-30-8	100.0	Calcium Phosphate; Monobasic; Monohydrate; MCP; Monocalcium Phosphate; Calcium Biphosphate; Calcium Acid Phosphate

4. First Aid Measures

	Eye Contact	Skin Contact	Inhalation	Ingestion
***Sodium Acid Pyrophosphate**	Immediately flush eyes with running water for at least 15 minutes. Get medical attention immediately if symptoms occur.	Get medical attention if symptoms occur. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse.	Move to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. Get medical attention.	If swallowed, do NOT induce vomiting unless directed by medical personnel. If swallowed give 2-3 glasses of water if victim is conscious and alert. Do not give anything by mouth to an unconscious person. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. Vomiting may occur spontaneously. If vomiting occurs and the victim is conscious, give water to further dilute.
Sodium Bicarbonate	Rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation persists.	Brush off loose particles from skin. Rinse immediately with plenty of water. Obtain medical attention if irritation develops/persists.	When symptoms occur: go into open air and ventilate suspected area.	Rinse mouth. Do not induce vomiting. Seek medical attention if a large amount is swallowed.

Corn Starch	Rinse well with water. If symptoms develop, obtain medical attention.	Wash with soap and water. Get medical attention if symptoms persist.	If symptomatic, move to fresh air. Get medical attention if symptoms persist.	Rinse mouth. Get medical attention if symptoms occur. Ensure that medical personnel are aware of the material involved and take precautions to protect themselves.
***Monocalcium Phosphate Monohydrate**	Immediately flush with running water for at least 15 minutes. Seek immediate medical attention.	Wash off with plenty of soap and water. If skin irritation occurs/ persists, get medical attention. Remove clothing and wash thoroughly before use.	If signs/symptoms develop, move to fresh air. If symptoms persist seek medical attention.	Do not induce vomiting unless instructed to do so by a physician. If conscious and alert, give 2-3 glasses of water to drink. Do not leave victim unattended. To prevent aspiration lay victim on side with head lower than waist. Vomiting may occur spontaneously. If vomiting occurs and victim is conscious, give water to further dilute. Call 911 or emergency medical service. Ensure that medical personnel are aware of the material involved and take precautions to protect themselves.
***Notes to Physician**	All treatments should be based on observed signs and symptoms of distress in the patient. Considerations should be given to the possibility that overexposure to materials other than this product may have occurred.			

5. Fire-Fighting Measures

Sodium Acid Pyrophosphate:

Extinguishing Media: **Not combustible. Use extinguishing media suitable for surrounding fire.**

Unsuitable Extinguishing Media: **None Known**

Hazardous Combustion Products: **Oxides of phosphorus**

Unusual Fire and Explosion Hazards: **Non-combustible.**

Special Protective Equipment: **Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection**

Firefighting Procedures:

Large Fires: **Move containers from fire area if you can do without risk. Do not scatter spilled material with high pressure**

	water streams. Dike fire-control water for later disposal.

Sodium Bicarbonate:

Extinguishing Media:	**Use extinguishing media appropriate for surrounding fire.**
Unsuitable Extinguishing Media:	**For surrounding fire: Use of heavy stream of water may spread fire.**

Special Hazards from Substance or Mixture:

Fire Hazard:	**Not Flammable. Under fire conditions, hazardous fumes will be present.**
Explosion Hazard:	**Product is not explosive.**
Reactivity:	**Hazardous reactions will not occur under normal conditions.**

Fire-Fighting Instructions:

Precautionary Measures:	**Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe.**
Firefighting Instructions:	**Exercise caution when fighting any chemical fire.**
Firefighting Protection:	**Do not enter fire area without proper protective equipment, including respiratory protection.**
Hazardous Combustion Products:	**Not Combustible**

Corn Starch:

Extinguishing Media:	**Water fog, foam, dry chemical powder, carbon dioxide. Apply extinguishing media carefully to avoid creating airborne dust.**
Unsuitable Extinguishing Media:	**None known**
Protective Equipment:	**Self-contained breathing apparatus and full protective clothing must be worn in case of fire.**
Firefighting Instructions:	**In the event of fire, cool tanks with water spray.**
Unusual Fire and Explosive Hazards:	**Dust may form explosive mixture with air. Avoid generating dust; fine dust dispersed in air in sufficient**

	concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
Specific Methods:	**Cool containers exposed to flames with water until well after the fire is out.**
Fire and Explosion Hazard:	**No unusual fire or explosion hazards noted.**

Monocalcium Phosphate:

Suitable Extinguishing Media:	**Not Combustible. Use extinguishing media suitable for surrounding fire.**
Unsuitable Extinguishing Media:	**None Known**
Unusual Fire and Explosion Hazards:	**Non-combustible**
Hazardous Combustion Products:	**None Known**
Special Protective Equipment:	**Wear positive pressure self-contained breathing apparatus. Structural firefighters' protective clothing will only provide limited protection. Keep unauthorized personnel away.**

6. Accidental Release Measures

Sodium Acid Pyrophosphate:

Personal Precautions:	**Do not touch or walk through spilled material.**
Emergency Procedures:	**Keep unauthorized personnel away.**
Environmental Precautions:	**Do not flush to drain. Large Spills: Prevent entry into waterways, sewers, basements or confined areas.**
Containment/Clean Up Measures:	**Sweep or vacuum up and place in an appropriate closed container. Avoid dispersal of dust in air. Clean up residual material by washing area with water and detergent. Collect washings for disposal.**

Decontaminate tools and equipment following cleanup.

Sodium Bicarbonate:

Personal Precautions: **Handle in accordance with good industrial hygiene and safety practice. Do not breathe dust or fumes. Avoid skin and eye contact.**

For Non-Emergency Personnel:

Protective Equipment: **Use appropriate personal protection equipment.**

Emergency Procedures: **Evacuate unnecessary personnel.**

For Emergency Personnel:

Protective Equipment: **Equip cleanup crew with proper protection.**

Emergency Procedures: **Ventilate area.**

Environmental Precautions: **Prevent entry to sewers and public waters. Avoid release to the environment.**

Methods and Material for Contaminant and Cleaning Up:

For Containment: **Contain and collect as any solid.**

Methods for Clean Up: **Clean up spills immediately and dispose of waste safely. Avoid generation of dust during clean-up of spills. Keep in suitable, closed containers for disposal. Contact competent authorities after a spill.**

Corn Starch:

Personal Precautions: **Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Wear appropriate personal protective equipment. Use only non-sparking tools. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.**

Spill Cleanup Methods:

Small spills: **Wipe up with absorbent material (e.g. cloth, fleece). Clean surfaces thoroughly to remove residual contamination.**

For large spills:	**Stop the flow of material, if this is without risk. Dike spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Following product recovery, flush area with water.**
Environmental Precautions:	**Avoid discharge into drains, water courses or onto the ground.**

Monocalcium Phosphate:

Personal Precautions:	**Do not touch or walk through spilled material.**
Emergency Procedures:	**Keep unauthorized personnel away. Wear appropriate protective gear.**
Environmental Precautions:	**Spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.**
Containment/Clean Up Measures:	**Sweep or vacuum up and place in an appropriate closed container. Avoid generating dust. Clean up residual material by washing area with water and detergent. Collect washings for disposal. Do not return material to its original container.**

7. Handling and Storage

Sodium Acid Pyrophosphate:

Handling:	**Keep containers closed when not in use. Do not breathe dust, vapor or spray mist. Avoid direct or prolonged contact with skin and eyes. Avoid accumulation of dust. Good housekeeping practices should be in place to prevent accumulation of dusts on surfaces.**
Storage:	**Store in a well ventilated place. Keep container tightly closed in a cool, dry and sanitary area. Store away**

	from ignition sources, incompatible materials and isolate from all toxic and harmful substances.

Sodium Bicarbonate:

Storage:	**Store in cool, dry area and away from incompatible substances.**
Hazards when Processed:	**When heated, material emits irritating fumes.**
Hygiene Measures:	**Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.**
Storage Conditions:	**Store in a dry, cool and well-ventilated place. Keep container closed when not in use.**
Incompatible Materials:	**Acids**
Storage Temperature:	**<50°C (122°F)**

Corn Starch:

Handling:	**Use with adequate ventilation. Eliminate all sources of ignition. Minimize dust generation and accumulation. Combustible dust clouds may be created where operations produce fine material dust. Avoid significant deposits of material. Especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Handling and processing operations should be conducted in accordance with "best practices" (e.g. NFPA-654). Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid direct contact with eyes.**
Storage:	**Keep away from heat, sparks and open flame. Dry powders can build static electricity charges when**

subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Keep container tightly closed. Store in a cool, dry place out of direct sunlight. Store in well-ventilated place. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

Monocalcium Phosphate:

Handling:	**This is a food ingredient intended for human consumption. Avoid breathing dust. Keep containers closed when not in use. Avoid direct of prolonged contact with skin and eyes.**
Storage:	**Keep tightly closed in a dry, cool, sanitary and well ventilated area. Keep isolated from all toxic and harmful substances. This product is hygroscopic and tends to cake on storage.**

8. Exposure Control/Personal Protection

Sodium Acid Pyrophosphate:

Engineering Controls:	**Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values: local exhaust ventilation at the point of generation.**
Respiratory Protection:	**Wear appropriate respirator when ventilation is inadequate. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.**
Eye/Face Protection:	**Wear eye protection, safety glasses or goggles to avoid possible eye contact. An emergency eye wash must be readily accessible to the work area.**

Skin Protection: **Wear appropriate gloves, long sleeves and/or protective coveralls.**

General: **Handle in accordance with good industrial hygiene and safety practice. Do not use, and/or consume foods, beverages, tobacco products or cosmetics in areas where this material is stored. Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.**

Environmental Exposure Controls: **Follow best practice for site management and disposal of waste.**

Exposure Limits / Guidelines					
Result	**ACGIH**	**Argentina**	**Belgium**	**China**	**Indonesia**
STELs	Not Established	Not Established	Not Established	16 mg/m^3 STEL (free SiO_2 <10%, except asbestos and toxic substances. Use PC-STEL of silica when free SiO_2 >10%, total)	Not Established
TWAs	10 mg/m^3 (inhalable particles, recommended); 3 mg/m^3 (respirable particles recommended)	10 mg/m^3 (inhalable fraction particulate matter containing no asbestos and less than 1% crystalline silica); 3 mg/m^3 (respirable fraction particulate matter containing no asbestos and less than 1% crystalline silica)	10 mg/m^3 TWAEV (inhalable particulate); 3 mg/m^3 TWAEV (alveolar fraction)	8 mg/m^3 STEL (free SiO_2 <10%, except asbestos and toxic substances. Use PC-TWA of silica when free SiO_2 >10%, total)	10 mg/m^3 ^{TWA} (not containing Asbestos and crystal content is <1%, inhalable particulate); 3 mg/m^3 TWA (not containing Asbestos and crystal content is <1%, respirable particulate)

Exposure Limits / Guidelines (Cont.)					
Result	**Malaysia**	**New Zealand**	**OSHA**	**Singapore**	**Norway**
TWAs	10 mg/m^3 (particulate matter containing no asbestos and less than 1% crystalline silica inhalable fraction); 3 mg/m^3 (particulate matter containing no asbestos and less than 1% crystalline silica inhalable fraction)	10 mg/m^3 (inhalable dust); 3 mg/m^3 (respirable dust)	15 mg/m^3 (total dust); 5 mg/m^3 (respirable fraction)	10 mg/m^3 PEL	10 mg/m^3 (total dust); 5 mg/m^3 (respirable dust)

Exposure Limits / Guidelines (Cont.)						
Result	**Ireland**	**Israel**	**Korea**	**Portugal**	**Spain**	**Venezuela**
TWAs	10 mg/m^3 (total inhalable); 4 mg/m^3 (respirable)	10 mg/m^3 (recommended inhalable particles); 3 mg/m^3 (recommended	10 mg/m^3 (no more than 1% crystalline silica, Serial No. 699)	10 mg/m^3 [VLE-MP] (inhalable fraction, particulate matter containing no Asbestos and <1% Crystalline silica); 3 mg/m^3 [VLE-MP] (respirable fraction,	10 mg/m^3 [VLE-ED] (recommended limit, this value is for the particulate matter containing no Asbestos and <1% Crystalline silica; no toxicological data to support TWA. Do not	10 mg/m^3 [CAP] (total inhalable particulate matter containing no Asbestos and <1% Crystalline silica, inhalable fraction); 3 mg/m^3 [CAP] (total inhalable particulate matter

		respirable particles)		particulate matter containing no Asbestos and <1% Crystalline silica)	exceed generic limit value provided, inhalable fraction); 3 mg/m³ [VLE-ED] (Same as above)	containing no Asbestos and <1% Crystalline silica, inhalable fraction

Sodium Bicarbonate:

Engineering Controls: **For occupational/workplace settings: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.**

Personal Protective Equipment: **For occupational or bulk quantities: Gloves, safety glasses. Dust formation: Dust mask.**

Materials for Protective Clothing: **For occupational or bulk quantities: Chemically resistant materials and fabrics.**

Respiratory Protection: **Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupation Exposure Limits.**

Hand Protection: **For occupational or bulk quantities: Wear chemically resistant gloves.**

Eye Protection: **For occupational or bulk quantities: Chemical goggles or safety glasses.**

Other Protective Clothing: **Full cover clothing. Apron where splashing may occur when working with solutions.**

Other Information: **When using, do not eat, drink or smoke.**

Control Parameters:

Particulate not otherwise classified (PNOC)		
USA ACGIH	ACGIH TWA (mg/m³)	3 mg/m³ Respirable fraction 10 mg/m³ Total Dust
USA OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m³ Respirable fraction 15 mg/m³ Total Dust
Alberta	OEL TWA (mg/m³)	10 mg/m³ (total)
British Columbia		10 mg/m³ (total dust)
Manitoba		10 mg/m³ (inhalable particles, recommended)

New Brunswick		3 mg/m³ (particulate matter containing no Asbestos and <1% Crystalline silica, respirable fraction)
Newfoundland & Labrador		10 mg/m³ (inhalable particles, recommended)
Nova Scotia		10 mg/m³ (inhalable particles, recommended)
Nunavut		5 mg/m³ (respirable mass)
Northwest Territories		5 mg/m³ (respirable mass)
Ontario		10 mg/m³ (inhalable)
Prince Edward Island		10 mg/m³ (inhalable particles, recommended)
Québec	VEMP (mg/m³)	10 mg/m³ (including dust, inert or nuisance particulates; containing no Asbestos and <1% Crystalline silica, total dust)
Saskatchewan	OEL STEL (mg/m³)	20 mg/m³ (insoluble or poorly soluble-inhalable fraction) 6 mg/m³ (insoluble or poorly soluble-respirable fraction)
Saskatchewan	OEL TWA (mg/m³)	10 mg/m³ (insoluble or poorly soluble-inhalable fraction) 3 mg/m³ (insoluble or poorly soluble-respirable fraction)

Corn Starch:

Biological Limit Values: **No biological exposure limits noted for the ingredients.**

Engineering Controls: **Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne concentrations to an acceptable level. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment. 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). Use only appropriately classified electrical equipment and powered industrial trucks.**

Personal Protective Equipment:

Respiratory Protection: **In case of insufficient ventilation, wear suitable respiratory equipment.**

Eye Protection: **Not normally needed. If contact is likely, safety glasses with side shields are recommended.**

Skin Protection: **Gloves are not required. Gloves are recommended for prolonged use. Wear suitable protective clothing.**

Thermal Hazards: **Wear appropriate thermal protective clothing, when necessary.**

Hygiene Measures: **Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.**

US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)			
Chemical Name	**Type**	**Value**	**Form**
Corn Starch (CAS Mixture)	PEL	5 mg/m3	Respirable Fraction
		15 mg/m3	Total Dust
Corn Starch (CAS 9005-25-8)	PEL	5 mg/m3	Respirable Fraction
		15 mg/m3	Total Dust
US ACGIH Threshold Limit Values			
Corn Starch (CAS Mixture)	TWA	10 mg/m3	-
Corn Starch (CAS 9005-25-8)		10 mg/m3	-
US NIOSH: Pocket Guide to Chemical Hazards			
Corn Starch (CAS Mixture)	TWA	5 mg/m3	Respirable
		10 mg/m3	Total
Corn Starch (CAS 9005-25-8)	TWA	5 mg/m3	Respirable
		10 mg/m3	Total

Monocalcium Phosphate:

Eye/Face Protection: **Wear eye protection.**

Hand Protection: **Wear appropriate gloves.**

Skin and Body Protection: **Wear long sleeves and/or protective coveralls.**

Respiratory Protection: **For limited exposure use an N95 dust mask. For prolonged exposure use an air-purifying respirator with high efficiency particulate air (HEPA) filters. Follow the OSHA NIOSH/MSHA or European Standard**

EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Engineering Measures: **Dilution ventilation. Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.**

Hygiene Measures: **Wash hands before eating.**

Environmental Controls: **Follow best practice for site management and disposal of waste.**

Exposure Limits / Guidelines					
Result	**ACGIH**	**Argentina**	**Belgium**	**China**	**Indonesia**
STELs	Not Established	Not Established	Not Established	16 mg/m^3 STEL (free SiO^2 <10%, except asbestos and toxic substances. Use PC-STEL of silica when free SiO^2 >10%, total)	Not Established
TWAs	10 mg/m^3 (inhalable particles, recommended); 3 mg/m^3 (respirable particles recommended)	10 mg/m^3 (inhalable fraction particulate matter containing no asbestos and less than 1% crystalline silica); 3 mg/m^3 (respirable fraction particulate matter containing no asbestos and less than 1% crystalline silica)	10 mg/m^3 TWAEV (inhalable particulate); 3 mg/m^3 TWAEV (alveolar fraction)	8 mg/m^3 STEL (free SiO^2 <10%, except asbestos and toxic substances. Use PC-TWA of silica when free SiO^2 >10%, total)	10 mg/m^3 ^{TWA} (not containing Asbestos and crystal content is <1%, inhalable particulate); 3 mg/m^3 TWA (not containing Asbestos and crystal content is <1%, respirable particulate)

Exposure Limits / Guidelines (Cont.)					
Result	**Malaysia**	**New Zealand**	**OSHA**	**Singapore**	**Norway**
TWAs	10 mg/m^3 (particulate matter containing no asbestos and less than 1% crystalline silica inhalable fraction); 3 mg/m^3 (particulate matter containing no asbestos and less than 1% crystalline silica inhalable fraction)	10 mg/m^3 (inhalable dust); 3 mg/m^3 (respirable dust)	15 mg/m^3 (total dust); 5 mg/m^3 (respirable fraction)	10 mg/m^3 PEL	10 mg/m^3 (total dust); 5 mg/m^3 (respirable dust)

Exposure Limits / Guidelines (Cont.)						
Result	**Ireland**	**Israel**	**Korea**	**Portugal**	**Spain**	**Venezuela**
TWAs	10 mg/m^3 (total inhalable); 4 mg/m^3 (respirable)	10 mg/m^3 (recommended inhalable particles); 3 mg/m^3 (recommended respirable particles)	10 mg/m^3 (no more than 1% crystalline silica, Serial No. 699)	10 mg/m^3 [VLE-MP] (inhalable fraction, particulate matter containing no Asbestos and <1% Crystalline silica); 3 mg/m^3 [VLE-MP] (respirable fraction, particulate matter containing no Asbestos and <1% Crystalline silica)	10 mg/m^3 [VLE-ED] (recommended limit, this value is for the particulate matter containing no Asbestos and <1% Crystalline silica; no toxicological data to support TWA. Do not exceed generic limit value provided, inhalable fraction); 3 mg/m^3 [VLE-ED] (Same as above)	10 mg/m^3 [CAP] (total inhalable particulate matter containing no Asbestos and <1% Crystalline silica, inhalable fraction); 3 mg/m^3 [CAP] (total inhalable particulate matter containing no Asbestos and <1% Crystalline silica, inhalable fraction

9. Physical and Chemical Properties

	Sodium Acid Pyrophosphate	Sodium Bicarbonate	Corn Starch	Monocalcium Phosphate Monohydrate
Appearance:	White Crystalline or Powder	White Crystalline Powder	White to Off White powder	Colorless, pearly scales or powder
Odor:	Odorless	None	Odorless	Odorless
Odor Threshold:	NDA	NA	NA	NDA
Physical state:	Solid	Solid	Not Available	Solid
pH as is:	3.8 to 4.5	8.4 g/l @ 77°F	NA	--
pH (1% SOLN. w/v):	--	Not Available	4.0-8.5	3.7 @ 1 wt/wt%
Vapor Pressure:	NDA	Thermal Decomposition	Not Available	NDA
Vapor Density:	NDA	Not Available	Not Available	NDA
Boiling Point:	NDA	Not Available	Not Available	NDA
Flash Point:	NDA	Inorganic	Not Available	NDA
Auto-Ignition Temperature	NDA	Not Available	Not Available	NDA
Flammability:	Not Flammable	Not Flammable	Combustible Dust	Not Flammable
Upper/Lower flammability / explosive Limits:	NDA	Not Expected	Not Available	NDA
Freezing / Melting Point:	900°C (1652°F)	Not Available	Not Available	1670°C (3038°F)
Evaporations Rate:	NDA	Not Available	Not Available	NDA
Decomposition Temperature:	NDA	>122°F (50°C)	Not Available	NDA
Viscosity:	NDA	Not Available	Not Available	NDA
Solubility in Water:	Soluble	Inorganic	Not Available	Slightly Soluble
Partition coefficient: n-octanol / water:	NDA	Not Available	Not Available	NDA
Bulk Density (lb./Ft3):	NDA	0.5 – 1.3 kg/dm3	Not Available	38.8336 – 39.9551
Relative Density:	0.61 Water=1	2.21 - 2.23 @ 68°F (20°C)	Not Available	0.59-0.64 (H2O=1)
% Volatile:	NDA	Not Applicable	Not Available	NDA

10. Stability and Reactivity

Sodium Acid Pyrophosphate:

Reactivity: **No data available**

Stability: **Stable under normal temperatures and pressures.**

Conditions to Avoid:	**Dusting conditions**
Incompatibles:	**Strong bases, strong oxidizing agents**
Hazardous Polymerization:	**Will not occur**
Hazardous Decomposition Products:	**Oxides of phosphorous**

Sodium Bicarbonate:

Reactivity:	**Incompatible with acids. Decomposes slowly on exposure to water.**
Chemical Stability:	**Stable under recommended storage conditions.**
Conditions to Avoid:	**Temperature above 50°C (122°F). Exposure to moisture or moist air.**
Incompatibilities:	**Acids**
Hazardous Decomposition Products:	**None known.**
Hazardous Reactions:	**Hazardous polymerization will not occur.**

Corn Starch:

Reactivity:	**Product is stable and non-reactive under normal conditions of use, storage and transport.**
Stability:	**Material is stable under normal conditions.**
Hazardous Reactions:	**No dangerous reaction known under conditions of normal use.**
Conditions to Avoid:	**Keep away from heat, sparks and open flame. Minimize dust generation and accumulation. Contact with incompatible materials. Humidity.**
Incompatible Materials:	**Strong Oxidizing Agents**
Hazardous Decomposition:	**Carbon Oxides**

Monocalcium Phosphate:

Reactivity:	**No dangerous reaction known under conditions of normal use.**
Stability:	**Stable at normal temperatures and pressures.**
Conditions to Avoid:	**Dusting conditions. Heat and extreme humidity.**
Incompatibilities:	**None known**
Hazardous Polymerization:	**Will not occur**
Hazardous Decomposition Products:	**None known**

11. Toxicological Information

Sodium Acid Pyrophosphate:

Route(s) of Exposure:	**Inhalation, Skin, Eye and Ingestion**
Medical Conditions	
Aggravated by Exposure:	**Lungs, Skin/Dermal**
Potential Acute Health Effects:	
Inhalation:	**May cause respiratory irritation.**
Ingestion:	**This substance is commonly used as a component in foods and may be safely consumed in moderate amounts. Ingestion of large quantities may cause irritation, nausea, vomiting, diarrhea and abdominal cramps.**
Skin Contact:	**Causes skin irritation.**
Eye Contact:	**Dusts have a dehydrating effect and may cause irritation at high concentration.**
Potential Chronic Health Effects:	**No data available**
Carcinogenic Effects:	**This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.**

Test Type	Dosage	Units	Route	Species	Duration	Results	Test Class	Target Organs
Irritation			Eye	Rabbit	NDA	NDA	Severe Irritation, reversible	NDA
Irritation			Skin	Rabbit	24 Hour(s)	NDA	Moderate Irritation	NDA

Acute Toxicity	>300	mg/kg	Skin	Rabbit	NDA	LD50	NDA	NDA
Acute Toxicity	>2640	mg/kg	Skin	Rabbit	NDA	LD50	NDA	NDA
Acute Toxicity	2650	mg/kg	Ingestion / Oral	Mouse	NDA	LD50	NDA	NDA

GHS Properties	***Classification***
Acute Toxicity	**EU/CLP** – Data Lacking **OSHA HCS 2012** – Data Lacking
Aspiration Hazard	**EU/CLP** – Classification criteria not met **OSHA HCS 2012** - Classification criteria not met
Carcinogenicity	**EU/CLP** – Classification criteria not met **OSHA HCS 2012** - Classification criteria not met
Germ Cell Mutagenicity	**EU/CLP** – Classification criteria not met **OSHA HCS 2012** - Classification criteria not met
Skin Corrosion / Irritation	**EU/CLP** – Skin Irritation 2 **OSHA HCS 2012** - Skin Irritation 2
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
Toxicity for Reproduction	**EU/CLP** – Classification criteria not met **OSHA HCS 2012** - Classification criteria not met
Respiratory Sensitization	**EU/CLP** – Data Lacking **OSHA HCS 2012** - Data Lacking
Serious Eye Damage / Irritation	**EU/CLP** - Eye Irritation 2 **OSHA HCS 2012** - Eye Irritation 2

Sodium Bicarbonate:

Acute oral effects: **Oral-rat LD50 = 7.3 g/kg.**

Acute inhalation: **LC50 Inhalation (rat) > 4.74 mg/l/4h**

GHS Properties	***Classification***
Acute Toxicity	Not Classified
Aspiration Hazard	Not Classified
Carcinogenicity	Not Classified
Genotoxicity in vivo	No Data Available
Skin Corrosion / Irritation	Slight Irritation
Skin Sensitization	Not Classified
STOT-RE	Not Classified
STOT-SE	Oral, Inhalation
Toxicity for Reproduction	Not Classified
Respiratory Sensitization	Not Classified
Serious Eye Damage / Irritation	Slight Irritation

Genotoxicity in vitro: **Strain: Escherichia coli with and without metabolic activation**

Negative
Method: according to a standardized method
Published data

Ames test
With metabolic activation

Negative
Method: Mutagenicity (Salmonella typhimurium – reverse mutation assay)
Published data

Eye Contact: **May cause irritation due to mechanical abrasion.**

Skin Contact: **Contact with large amounts of dust may cause mechanical irritation.**

Inhalation: **Prolonged inhalation of dust may cause respiratory irritation.**

Ingestion: **Large doses may produce systemic alkalosis and expansion in extracellular fluid volume with edema.**

Chronic Effects: **None expected under normal conditions of use.**

Corn Starch:

Information on Likely Routes of Exposure:

Inhalation: **No adverse effects due to inhalation are expected.**

Skin Contact: **May cause skin irritation.**

Eye Contact: **May cause eye irritation.**

Ingestion: **May cause irritation and malaise.**

Symptoms Related to the Physical, Chemical and Toxicological Characteristics: **Irritant Effects**

GHS Properties	***Classification***
Acute Toxicity	Not Available

Aspiration Hazard	No data available
Carcinogenicity	Not classified
Germ Cell Mutagenicity	No data available to indicate any components present at >0.1% are mutagenic or genotoxic.
Skin Corrosion / Irritation	Prolonged contact may cause temporary irritation
Skin Sensitization	No data available
STOT-RE	No data available
STOT-SE	No data available
Toxicity for Reproduction	No data available
Respiratory Sensitization	No data available
Serious Eye Damage / Irritation	Direct contact with eyes may cause temporary irritation.

Monocalcium Phosphate:

Route of entry/exposure: **Inhalation, Skin, Eye and Ingestion**

Potential Acute Health Effects:

Inhalation: **May cause irritation**

Skin: **May cause mechanical irritation**

Eye: **May cause mechanical irritation. Excessive concentrations of nuisance dust in the workplace may reduce visibility and may cause unpleasant deposits in eyes.**

Ingestion: **Ingestion of large quantities may cause nausea, vomiting, diarrhea and abdominal discomfort.**

Potential Chronic Health Effects: **No data available**

Carcinogenic Effects: **This material does not contain any ingredient designated by IARC, ACGIH, NTP or OSHA as probable or suspected human carcinogens.**

GHS Properties	***Classification***
Acute Toxicity	EU/CLP – Classification criteria not met OSHA HCS 2012 - Classification criteria not met
Aspiration Hazard	EU/CLP – Classification criteria not met OSHA HCS 2012 - Classification criteria not met
Carcinogenicity	EU/CLP – Classification criteria not met OSHA HCS 2012 - Classification criteria not met
Germ Cell Mutagenicity	EU/CLP – Classification criteria not met OSHA HCS 2012 - Classification criteria not met
Skin Corrosion / Irritation	EU/CLP – Classification criteria not met

	OSHA HCS 2012 - Classification criteria not met
Skin Sensitization	EU/CLP – Classification criteria not met OSHA HCS 2012 - Classification criteria not met
STOT-RE	EU/CLP – Classification criteria not met OSHA HCS 2012 - Classification criteria not met
STOT-SE	EU/CLP – Classification criteria not met OSHA HCS 2012 - Classification criteria not met
Toxicity for Reproduction	EU/CLP – Classification criteria not met OSHA HCS 2012 - Classification criteria not met
Respiratory Sensitization	EU/CLP – Classification criteria not met OSHA HCS 2012 - Classification criteria not met
Serious Eye Damage / Irritation	EU/CLP Serious Eye Damage 1 OSHA HCS 2012 - Serious Eye Damage 1

12. Ecological Information

Sodium Acid Pyrophosphate:

Toxicity: **No data found for product**

Ecological Fate: **No data found for product**

Persistence/Degradability: **No data found for product**

Bioaccumulation of Potential: **No data found for product**

Mobility in Soil: **No data found for product**

Results of PBT and vPvB Assessment: **Assessments have not been carried out**

Sodium Bicarbonate:

Toxicity: **No additional information available**

LC50 Fish 1: **7100 mg/l Bluegill**
EC50 Daphnia 1: **4100 mg/l**
LC50 Fish 2: **7700 mg/l Rainbow Trout**

LC50 Fish 1: **8250-9000 mg/l (Exposure time: 96h – Species Lepomis macrochirus [static])**
EC50 Daphnia 1: **2350 mg/l (Exposure time 48h – Species: Daphnia magna)**

Persistence and Degradability: **Product dissociates rapidly to corresponding ions on contact with water.**

Bioaccumulation: **Not Applicable, Inorganic**

Mobility in Soil: **Not Available**

Other Adverse Effects:	**Avoid release to the environment**

Corn Starch:

Ecotoxicity:	**Not expected to be harmful to aquatic organisms.**
Persistence/Degradability:	**No data available on the degradability of this product.**
Bioaccumulation of Potential:	**No data available for this product**
Mobility in Soil:	**No data available**
Other Adverse Effects:	**No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.**

Monocalcium Phosphate:

Toxicity:	**No data found for product**
Ecological Fate:	**No data found for product**
Persistence/Degradability:	**No data found for product**
Bioaccumulation of Potential:	**No data found for product**
Mobility in Soil:	**No data found for product**
Results of PBT and vPvB Assessment:	**Assessments have not been carried out.**

13. Disposal Considerations

Sodium Acid Pyrophosphate:

Product and Packaging Waste:	**Dispose of content and/or container in accordance with federal, state, local and/or international regulations.**

Sodium Bicarbonate:

Product Disposal:	**Contact waste disposal services** **Dilute with plenty of water** **Neutralize with acid**

In accordance with local and national regulations

Corn Starch:

Disposal Instruction:	**Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. To not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterway or ditches with chemical or used container. Dispose of contents/container in accordance with local / regional /national/international regulations.**
Hazardous Waste Code:	**The waste code should be assigned in discussion between the user, the producer and the waste disposal company.**
Waste from Residues/ Unused Products:	**Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal Instructions).**
Contaminated Packaging:	**Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.**

Monocalcium Phosphate:

Product and Packaging Waste:	**Dispose of content and/or container in accordance with federal, state, local and/or international regulations.**

14. Transportation Information:

Sodium Acid Pyrophosphate:

US DOT Shipping Name:	**Not Regulated**
TDG Shipping Name:	**Not Regulated**

IMO/IMDG Shipping Name: **Not Regulated**

IATA/ICAO Shipping Name: **Not Regulated**

Special Precautions for User: **None Known**

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not relevant

Sodium Bicarbonate:

DOT: **Not regulated for transport**

IMDG: **Not regulated for transport**

IATA: **Not regulated for transport**

TDG: **Not regulated for transport**

Corn Starch:

DOT: **Not regulated as dangerous goods.**

IATA: **Not regulated as dangerous goods.**

IMDG: **Not regulated as dangerous goods.**

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not established

Monocalcium Phosphate:

US DOT Shipping Name: **Not Regulated**

TDG Shipping Name: **Not Regulated**

IMO/IMDG Shipping Name: **Not Regulated**

IATA/ICAO Shipping Name: **Not Regulated**

Special Precautions for User: **None Known**

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not relevant

15. Regulatory Information

Sodium Acid Pyrophosphate:

SARA Hazard Classifications: **Acute**

Inventory						
Component	**CAS**	**Canada DSL**	**Canada NDSL**	**China**	**EU EINECS**	**EU ELNICS**
Sodium Acid Pyrophosphate	10031-30-8	Yes	No	Yes	Yes	No

Inventory (Cont.)				
Component	**CAS**	**New Zealand**	**Philippines PICCS**	**TSCA**
Sodium Acid Pyrophosphate	10031-30-8	Yes	Yes	Yes

Canada

WHMIS – Classification of Substances: **D2B**
WHMIS – Ingredient Disclosure List: **Not Listed**
Prohibited/Restricted Cosmetic Ingredients: **Not Listed**
2004 NPRI: **Not Listed**
2005 NPRI: **Not Listed**
CEPA Greenhouse Gases Mandatory Rept.: **Not Listed**
CEPA Priority Substances List: **Not Listed**
DWQ – IMACs: **Not Listed**
ARET: **Not Listed**

Canada New Brunswick

Ozone Depleting Substances-Schedule A: **Not Listed**
Ozone Depleting Substances-Schedule B: **Not Listed**

Germany

TA Luft – Types and Classes: **Not Listed**
Water Classification (VwVwS) – Annex 1: **Not Listed**
Water Classification (VwVwS) – Annex 2: **Not Listed**
Water Classification (VwVwS) – Annex 2: **Not Listed**

Philippines

Priority Chemical List: **Not Listed**

Singapore

Corrosive and Explosive Substances: **Not Listed**

Thailand

Quantities of Chemicals: **Not Listed**
Water Quality Criteria –
Maximum Concentration Allowance: **Not Listed**

United States

OSHA – Process Safety Management:	**Not Listed**
OSHA – Specifically Regulated Chemicals:	**Not Listed**
CAA – 1990 Hazardous Air Pollutants:	**Not Listed**
CAA – Class II Ozone Depletors:	**Not Listed**
CERCLA/SARA – Hazardous Substances:	**Not Listed**
CERCLA/SARA – Radionuclides:	**Not Listed**
CERCLA/SARA – Section 302 – EPCRA RQs:	**Not Listed**
CERCLA/SARA – Section 302 – TPQs:	**Not Listed**
CERCLA/SARA – Section 313 – Emission:	**Not Listed**
CERCLA/SARA – Section 313 PBT:	**Not Listed**
FDA – Direct Food Additives:	**Not Listed**
FDA – Food Additives GRAS:	**Not Listed**
FDA – Total Food Additives from EAFUS:	**Not Listed**
USDA – National Organic Program – Substances Allowed as Ingredients in or on Organic Processed Products:	**For use only as a leavening agent**
California – Proposition 65 Carcinogens:	**Not Listed**
California – Proposition 65 Developmental Toxicity:	**Not Listed**
California – Proposition 65 MADL:	**Not Listed**
California – Proposition 65 NSRL:	**Not Listed**
California – Proposition 65 Reproductive Toxicity – Female:	**Not Listed**
California – Proposition 65 Reproductive Toxicity – Male:	**Not Listed**
Chemical Safety Assessment:	**No Chemical Safety Assessment has been carried out.**

Sodium Bicarbonate:

US Federal and International Regulations:

	Inventory					
Component	**CAS**	**Australia AICS**	**Canada DSL**	**China IECSC**	**EEC EINECS**	**Japan ENCS**
Sodium Bicarbonate	**144-55-8**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**

Inventory (Cont.)					
Component	CAS	Korea ECL	New Zealand NZIoC	Philippines PICCS	United States TSCA
Sodium Bicarbonate	144-55-8	Yes	Yes	Yes	Yes

US State Regulations: Neither this product not its chemical components appear on any US state lists.

Canadian Regulations:

Sodium Bicarbonate (144-55-8)	
Listed on the Canadian DSL (Domestic Substance List)	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

Corn Starch:

US Federal Regulations: This product is hazardous according to OSHA 29 CFR 1910.1200 due to the potential for dust explosion.

TSCA Export Notification: Not Regulated

OSHA Regulated Substances: Not Listed

CERCLA Hazardous Substances: Not Listed

SARA Hazard Categories:
Immediate Hazard - No
Delayed Hazard – No
Fire Hazard – No
Pressure Hazard – No
Reactivity Hazard – No

SARA 302 Extremely Hazardous Substances: Not Listed

SARA 311/312 Hazardous Chemical: Yes

Other Federal Regulations
Clean Air Act HAPs List: Not Regulated
Clean Air Act Accidental Release Prevention: Not Regulated

Safe Drinking Water Act: Not Regulated

US State Regulations: This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

Massachusetts RTK – Substance List:

Corn Starch (CAS 9005-25-8)

New Jersey Worker and Community Right-to-Know Law

Not Listed

Pennsylvania Worker and Community Right-to-Know Law

Corn Starch (CAS 9005-25-8)

Rhode Island RTK

Not Regulated

California Proposition 65 – CRT Listed Substance:

Not Listed

Inventory						
Component	**CAS**	**Australia AICS**	**Canada DSL**	**Canada NDSL**	**China IECSC**	**EU EINECS**
Corn Starch	**9005-25-8**	**Yes**	**Yes**	**No**	**Yes**	**Yes**

Inventory (Cont.)							
Component	**CAS**	**EU ELNICS**	**Japan ENCS**	**Korea ECL**	**New Zealand**	**Philippines PICCS**	**United States & Puerto Rico TSCA**
Corn Starch	**9005-25-8**	**No**	**No**	**Yes**	**Yes**	**Yes**	**Yes**

Monocalcium Phosphate:

SARA Hazard Classifications: **None**

Inventory						
Component	**CAS**	**Canada DSL**	**Canada NDSL**	**China**	**EU EINECS**	**EU ELNICS**
Phosphoric Acid, Calcium Salt (2:1), Monohydrate	**10031-30-8**	**No**	**No**	**Yes**	**No**	**No**

Inventory (Cont.)				
Component	**CAS**	**New Zealand**	**Philippines PICCS**	**TSCA**
Phosphoric Acid, Calcium Salt (2:1), Monohydrate	**10031-30-8**	**Yes**	**Yes**	**No**

Canada

WHMIS – Classification of Substances: **Not Listed**

WHMIS – Ingredient Disclosure List: **Not Listed**

CEPA – Priority Substances List: **Not Listed**

Germany

TA Luft – Types and Classes: **Not Listed**

Water Classification (VwVwS) – Annex 1: **Not Listed**

Water Classification (VwVwS) – Annex 2: **Not Listed**

Water Classification (VwVwS) – Annex 2: **Not Listed**

Philippines

Priority Chemical List: **Not Listed**

Singapore

Corrosive and Explosive Substances: **Not Listed**

United States

OSHA – Process Safety Management:	**Not Listed**
OSHA – Specifically Regulated Chemicals:	**Not Listed**
CAA – 1990 Hazardous Air Pollutants:	**Not Listed**
CAA – Class II Ozone Depletors:	**Not Listed**
CERCLA/SARA – Hazardous Substances:	**Not Listed**
CERCLA/SARA – Radionuclides:	**Not Listed**
CERCLA/SARA – Section 302 – EPCRA RQs:	**Not Listed**
CERCLA/SARA – Section 302 – TPQs:	**Not Listed**
CERCLA/SARA – Section 313 – Emission:	**Not Listed**
CERCLA/SARA – Section 313 PBT:	**Not Listed**
California – Proposition 65 Carcinogens:	**Not Listed**
California – Proposition 65 Developmental Toxicity:	**Not Listed**
California – Proposition 65 MADL:	**Not Listed**
California – Proposition 65 NSRL:	**Not Listed**
California – Proposition 65 Reproductive Toxicity – Female:	**Not Listed**
California – Proposition 65 Reproductive Toxicity – Male:	**Not Listed**

Other Information:

FDA Status:	**This product meets the compositional requirements of: 21 CFR 182.1217 CALCIUM PHOSPHATE**

16. Other Information

Reviewed January 3, 2019 – Clabber Girl Research and Development

Revised June 15, 2015 – Clabber Girl Research and Development – Updated with new information from customer's SDS sheets and revised to the new required format.

Format Revision June 1, 2009 – Clabber Girl Research and Development

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