

# SAFETY DATA SHEET

## ASSURE 5-5-5

Revision Date: November 25, 2015

### **SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY**

PRODUCT NAME: Assure 5-5-5

PRODUCT IDENTITY: A mixture of fertilizer components.

RECOMMENDED USES: Intended for use as plant food. Apply to soil surface as broadcast mixture or blend into potting soil mixture. Apply per directions on label. Do not apply to plants sensitive to any of the ingredients herein contained. Review product label and read Section 16 of this document.

MANUFACTURERS INFORMATION: Manufactured for Prestige Marketing

Address: 815 Brown Road, Orion, MI 48359

Telephone Number: 248-760-9342

EMERGENCY TELEPHONE NUMBERS:

Chemtrec (Spill) 1-800-424-9300

Prosar (Health) 888-208-1368

### **SECTION 2: HAZARDS IDENTIFICATION**

Signal Word: Warning

Pictograms:



Hazard Statement and Hazard Category:

H319: Causes serious eye irritation on contact (Category 2A)

H351: Suspected of causing cancer by prolonged and repeated inhalation. (Category 2)

H373: May cause damage to lungs through prolonged or repeated inhalation. (Category 2)

Precautionary Statements for Handling: (Also see Sections 7 and 8 of this document)

P261: Avoid breathing dust

P264: Wash hands and exposed skin thoroughly after handling.

P270: Do not eat drink or smoke when using this product.

P281: Use appropriate personal protection equipment as required to avoid breathing dust

California Proposition 65 WARNING:

This product may contain detectable quantities of a substance (Crystalline Silica Quartz/Sand) known to the State of California to cause cancer.

General Precautions: Always practice good hygiene. Wash hands thoroughly after handling. Do not get in eyes or on skin. Do not ingest or inhale.

Disposal Considerations: (Section 13)

Effects of Medical Conditions Recognized as Being Aggravated by Exposure: Respiratory disease (bronchitis, asthma, emphysema)

Primary route of Entry: Lungs, eyes, mouth

Overexposure Acute: May cause eye & respiratory irritation

Chronic: None known

Unknown Acute Toxicology: Detectable quantiles of ingredients of this product may consist of components of unknown toxicology.

Animal Toxicity Data: Not determined

ATCC Classification: Bio-Safety Level 1

HEALTH: 1

FIRE: 0

REACTIVITY: 0

SPECIAL HAZARD: 0

Exposure Limits: OSHA Permissible Exposure Limit (PEL): Not determined (See Section 8)

Threshold Limit Value (TLV): Not determined (See Section 8)

Stability: Very stable - Incompatibility: Mildly corrosive to steel

Hazardous Decomposition Products: None - Hazardous polymerization will not occur

Hazards Not Otherwise Classified: (Biosafety Level 1) This product may be inoculated with strains of typically harmless soil bacteria that are not associated with disease or infections under normal circumstances. The product should be treated as Biosafety Level 1. Employ reasonable hygienic practices as defined in Section 8 of this document. Persons with depressed immune systems or those taking antirejection drugs should consult their physician before handling microbial products.

Additional Notes:

Note 1: Minerals like calcium carbonite, dolomite, and others such as iron oxide typically contain detectable amounts of silica (sand). Fine crystalline silica particulates are considered a carcinogen via repeated and prolonged inhalation.

Note 2: This product will contain detectable quantities of silica.

### **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS SUBSTANCE**

Ingredients are listed in order of inclusion in formula. This product will contain detectable trace quantities of other substances not defined in this document.

<b>Component</b>	<b>CAS</b>	<b>Percent</b>
Calcium Carbonate	1317-65-3	38.50%
Feather Meal	None	20.00%
Potassium Sulfate	7778-80-5	10.00%
Monoammonium Phosphate	7722-76-1	10.00%
Iron Oxide	1309-37-1	5.12%
Urea	57-13-6	4.00%
Magnesium Oxide	1309-48-4	2.64%
Kelp Extract	68844-77-8	1.00%
Potassium Humate	68514-28-3	1.00%
Calcium Lignosulfonate	8061-52-7	1.00%
Copper Oxide	1317-38-8	0.51%
Manganese Oxide	7439-96-5	0.51%
Zinc Oxide	1314-13-2	0.51%
Quartz Silica (sand mineral) (Estimated percentage from Calcium Carbonate and minor nutrient oxides)	14808-60-7	2.02%

**SECTION 4: FIRST AID MEASURES**

**Self-Protection for first aid responder:** Use appropriate personal protection equipment for nuisance dust.

**Skin Contact:** Remove contaminated clothing and wash thoroughly with soap and water after use. If irritation occurs consult with physician.

**Eye Contact:** Flush eyes cautiously with cool water for several minutes, remove contact lenses if possible and continue rinsing. Consult physician if irritation persists.

**Ingestion:** If conscious, rinse mouth and drink plenty of water. If person feels unwell, contact poison control center and call a doctor. Have product label and SDS available. Do not induce vomiting to an unconscious person.

**Inhalation:** Move person to fresh air. If difficulty in breathing persists, administer oxygen and get medical attention.

**SECTION 5: FIRE FIGHTING MEASURES**

**Extinguishing Media:** Use appropriate media for underlying cause of fire.

**Special Firefighting Procedures:** Wear approved self-contained breathing apparatus and bunker gear. Utilize appropriate means to extinguish fire.

**Special Firefighting Hazards:** Thermal decomposition can lead to release of irritating and toxic gasses and vapors. Do not breathe fumes from fire.

**Specific Hazards:** None

**Explosion Data:**

Sensitivity to mechanical impact: None

Sensitivity to static discharge: None

**Flash Point:** Not Applicable in solid non-airborne state

**Special Note:** Excessive amounts of any burnable dust can produce explosive mixtures if allowed to disperse in the air in a confined area where ignition sources occur. Prevent excessive dust dispersion in areas of storage, use or production.

**SECTION 6: ACCIDENTAL RELEASE MEASURES AND DISPOSAL**

**Steps to be Taken in Case Material is Released or Spilled:** Wear personal protective equipment as outlined in Section 7 and 8 to prevent contact with eyes or skin. Remove ignition sources prior to clean up. Prevent entry into waterways, sewers, basements or confined areas. Do not flush surface water into sanitary sewer system. Mechanically collect wet spill. Mechanically or manually sweep up dry spill and package in plastic bags or other approved containers. Waste is plant food material. Dispose of in accordance with Section 13.

**SECTION 7: STORAGE, HANDLING**

**Precautions to be Taken in Handling and Storage:** Read and understand all safety precautions in Section 8 before handling this product. Always wear respirator and eye protection. Ensure adequate ventilation, especially in confined areas. Wash hands and exposed skin with soap and water after handling product. Wash clothing separately from other clothing after handling product. Store opened product in original container with opening tightly secured. Store product in a cool, dry place on a pallet or rack system. Avoid excessive heat, moisture, humidity & sunlight during storage.

**Note:** Follow label directions. Avoid contact with acid or alkali or other reactive substances.

**SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION****Exposure Guidelines:**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH*
Quartz Silica	0.025 mg/m <sup>3</sup> (Respirable)	(30 mg/m <sup>3</sup> ) / (%SiO <sub>2</sub> +2)	3000 mg/m <sup>3</sup>
Nuisance Dust	10 mg/m <sup>3</sup> (TWA - total dust)	15 mg/m <sup>3</sup> (TWA total) 50 mppcf (TWA total) 5 mppcf (Respirable)	Not Established

\*IDLH refers to amounts that are "Immediately Dangerous to Life or Health."

**Personal Protection:**

OSHA approved safety glasses and dust mask/respirator should be worn. Safety shoes with socks, long pants, long sleeve shirts and gloves should be worn as good hygiene and safe work practices dictate. Assure work area is well ventilated.

Eyebath and washing facilities should be available. Do not get product in eyes, breathe in dust, or ingest. Upon contact wash affected area with soap and water. Wash hands and exposed skin with soap and water after handling product. Wash clothing separately from other clothing after handling this product.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State:** Solid spherical or granular shaped free flowing particles

**Appearance:** Tan or brown colored

**Odor:** Typical animal feed odor.

**Odor Threshold:** Slight – Odor may be offensive to some people

**Water Solubility:** Mostly Insoluble in water but some ingredients will go into slurry

**Solubility in Other Liquids:** No Information Available

**Boiling Point:** Not Applicable/No Information Available

**Flammability:** Not Applicable as solid. No upper or lower combustion limit information available for airborne state.

**Special Note:** Excessive amounts of any burnable dust can produce explosive mixtures if allowed to disperse in the air in a confined area where ignition sources occur. Prevent excessive dust dispersion in areas of storage, use or production.

**Auto Ignition Temperature:** No Information Available

**Freezing Point:** Not Applicable/No Information Available

**Evaporation Rate:** Not Applicable

**Vapor Density (Air = 1):** Not Applicable

**Specific Gravity:** Not Determined

**pH:** 6 – 8

**Moisture Content:** < 10.00 %

**Vaper Pressure:** No Information Available

**Vapor Density:** No Information Available

**Decomposition Temperature:** No Information Available

**Oxidizing Properties:** Not an Oxidizer – Mildly corrosive to unpainted steel

**SECTION 10: STABILITY AND REACTIVITY INFORMATION**

Reactivity: No data Available

Chemical Stability: Stable

Hazardous Decomposition Products: May emit toxic fumes under fire conditions, to include Nitrogen Oxides, Ammonia, Oxides of Sulfur, Hydrogen Chloride and Carbon Monoxide.

Incompatibility: Acids, bases, heat sources, reducing agents, disinfectants and excessive moisture or humidity

Stability: Stable under normal storage and usage conditions

Hazardous Polymerization: None

Conditions to Avoid: High heat, sparks, open flames, excessive moisture or direct sunlight during storage

**SECTION 11: TOXICITY INFORMATION**

Routes of Exposure: Ingestion, Eye Contact, Skin Contact, Dust Inhalation

Symptoms: May irritate digestive tract if ingested in quantity, causing nausea, vomiting and diarrhea.

Sensitization: None

Germ Cell Mutagenicity: None

Carcinogenicity: Potential occupational carcinogen. Naturally mined minerals like dolomite typically contain sand (silica) in detectable amounts. Fine silica particulates are considered to be carcinogenic via repeated and prolonged inhalation. (IARC, ACGIH)

Reproductive Toxicology: None

STOT – single exposure: No information available

STOT – repeated exposure: No information available

Chronic Toxicology: Lungs – Silicosis, Cancer

Target Organ Effects: Lungs – Silicosis, Cancer

Aspiration Hazard: No information available

**SECTION 12: ECOLOGICAL INFORMATION**

Aquatic Life Effect: Fertilizers may be harmful to aquatic life with short term effects, causing algal bloom and increased BOD, depending on the amount released.

Persistence and degradability: Not applicable

Other Adverse Effects: No Information Available

**SECTION 13: DISPOSAL CONSIDERATIONS**

Nonhazardous Waste: This material, as supplied is a nonhazardous waste according to federal regulation 40 CFR 261.

Disposal of Waste: This product is a nonhazardous waste material suitable for approved solid waste landfills. No EPA Waste Numbers are applicable for the components of this product. Dispose of unused product in accordance with local, state & federal regulations for plant food. Optimum disposal mechanism is to use for intended purpose as plant food in accordance with label directions.

Contaminated Packaging: No US Federal special packaging considerations apply as of the date of this document. Follow local regulations.

**SECTION 14: TRANSPORT INFORMATION**

<u>DOT:</u>	Not Regulated	<u>ADR:</u>	Not Regulated
Shipping Name:	Fertilizer / Non Regulated		
Hazard Class:	Not Applicable	<u>ADN:</u>	Not Regulated
<u>IATA:</u>	Not Regulated		
Shipping Name:	Fertilizer / Non Regulated	<u>RID:</u>	Not Regulated
Hazard Class:	Not Applicable		
<u>IMDG/IMO:</u>	Not Regulated	<u>IATA:</u>	Not Regulated
Hazard Class:	Not Applicable	<u>TDG:</u>	Not Regulated
Marine Pollutant:	No		
<u>IMDG:</u>	Not a dangerous good.	<u>ICAO:</u>	Not Regulated
<u>ICAO/IATA:</u>	Not a dangerous good	<u>MEX:</u>	Not Regulated

**SECTION 15: REGULATORY INFORMATION**

TSCS: Complies

SARA 313 Superfund Amendments: This product contains no chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal regulations, Part 372.

SARA 311/312 Hazard Categories:

Acute:	No
Chronic:	Yes
Fire:	No
Sudden release of pressure:	No
Reactive:	No

CERCLA: This product, as supplied does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to issues of releases of this material.

Clean Water Act: This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

State Regulations - General: This product is not regulated by any state as a hazardous material.

Component Analysis – State: Crystalline Silica (Quartz) CA, IL, MA, NH, NY, NJ, PA, RI  
California Proposition 65: This product may contain detectable quantities of a substance (Crystalline Silica Quartz/Sand) known to the State of California to cause cancer.

**SECTION 16: OTHER INFORMATION**

**To the best of our knowledge, information and belief, the information provided on this Safety Data Sheet is true and accurate at the date of publication. The information is provided solely for guidance in safe handling, usage, processing, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information herein may be used under conditions beyond our control and the manufacture and/or preparer of this document does not assume any responsibility for the results of its use. This information is furnished upon the condition that the person receiving this product and document shall make his/her own determination as to the suitability of use of the material for their particular purpose. It is the responsibility of the user to take appropriate precautions for proper use.**

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