

SECTION 1: IDENTIFICATION

Product Trade Name: CrystalClear® ClarityMax™
Name and/or Family or Description: Bacterial/Enzyme/Barley Complex Mixture . No IUC name for the mixture is known.
Chemical Formula: N/A
CAS No.: N/A
DOT Proper Shipping Name: Chemicals Not Otherwise Indexed (NOI) Non-Hazardous
DOT Hazard Class: Not Regulated
DOT Label: None

Date: 09-29-15

MANUFACTURER/IMPORTER/SUPPLIER/DISTRIBUTOR INFORMATION:

COMPANY NAME: Airmax®, Inc.
COMPANY ADDRESS: P.O. Box 38,
 Romeo, Michigan 48065
COMPANY TELEPHONE: Office hours (Mon - Fri)
 9:00 am to 5:00 pm
 (866) 424-7629
COMPANY CONTACT NAME: Main Office
EMERGENCY PHONE NUMBER: Poison Control 800-222-1222

SECTION 2. HAZARD(S) IDENTIFICATION

CLASSIFICATION:

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

PHYSICAL HAZARDS: Not classified as a physical hazard under GHS criteria
HEALTH HAZARD: Carcinogenicity, Category 1A
ENVIRONMENTAL HAZARDS: Not classified as a physical hazard under GHS criteria.

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

SIGNAL WORD: Danger.
GHS HAZARD STATEMENTS: May cause cancer.
GHS HAZARD SYMBOLS:



PRECAUTIONARY STATEMENTS:

- **PREVENTION:** Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.
 Wear protective gloves/protective clothing/eye protection/face protection.
- **RESPONSE:** If exposed or concerned: Get medical advice/attention.
- **STORAGE:** Store locked up.
- **DISPOSAL:** Dispose of contents/container to a suitable disposal site in accordance with local/regional/national/international regulations.

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC): None known.
% OF INGREDIENT(S) OF UNKNOWN ACUTE TOXICITY: Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

MIXTURE: Bacterial/Enzyme/Barley Complex Mixture

CHEMICAL NAME	CAS #	% BY WEIGHT	TRADE SECRET
Crystalline Silicon*	14808-60-7	0.1-0.2%	

* Workers (and your customers or users in the case of resale) should be informed of the potential presence of respirable dust and respirable crystalline silica as well as their potential hazards. Appropriate training in the proper use and handling of this material should be provided as required under applicable regulations.
 Note: The balance of the ingredients are not classified as hazardous, or are below the classification threshold under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

SECTION 4: FIRST AID MEASURES

INGESTION:	Rinse mouth and throat with water if ingested. Never give anything by mouth to an unconscious person.
INHALATION:	In case of inhalation, remove from area of exposure; if allergic symptoms occur in 0-48 hours, seek medical attention.
SKIN CONTACT:	Wash affected area of skin with soap and remove contaminated clothing.
EYE CONTACT:	If eye contact occurs rinse thoroughly with water for several minutes, seek medical attention if irritation occurs.
MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:	Possible allergic response or irritation in affected individuals to skin contact, eye contact, or inhalation of dust from product. Individuals with known allergies, particularly to feedstuffs or enzymes, as well as those individuals with chronic respiratory diseases or particular susceptibility thereto and those with asthmatic conditions should avoid contact with dusty conditions.
INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:	If any symptoms are observed, contact a physician and give them this SDS sheet.

SECTION 5: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Not Flammable. Use water spray or water flooding to extinguish.
UNSUITABLE EXTINGUISHING MEDIA:	None known.
SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:	May explode if mixed with oxidizers, such as potassium, nitrate, or potassium chlorate.
HAZARDOUS COMBUSTION PRODUCTS:	Toxic fumes of ammonia and sulfur oxides may be released violently at high temperatures. Carbon dioxide, carbon monoxide, oxides of nitrogen.
EXPLOSION DATA:	
PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:	Full protective clothing and NIOSH-approved self-contained breathing apparatus should be worn. Use water to cool exposed containers.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:	
PERSONAL PRECAUTIONS:	Wear appropriate protective equipment, such as gloves, goggles and protective clothing, as conditions warrant (see Section 8). See Sections 2 and 7 for additional information on hazards and precautionary measures.
ENVIRONMENTAL PRECAUTIONS:	Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems, and natural waterways. If spill occurs on water notify appropriate authorities and advise shipping of any hazard.
METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:	
CLEANING UP:	Sweep up bulk material without releasing dust and reuse wherever possible; where contaminated or unusable, dispose of by landfilling.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:	
Caution! Keep out of reach of children. Keep container closed. Do not contact eyes or skin. Do not take internally. Use good personal hygiene practices and wear appropriate personal protective equipment (see section 8).	
CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:	
Maintain good housekeeping, avoid creating aerosol. Keep out of direct sunlight and in cool dry place as deterioration of product and loss of activity may occur under above conditions.	

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS: OCCUPATIONAL EXPOSURE LIMITS:

US OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200) PERMISSIBLE EXPOSURE LIMITS:

SUBSTANCE	PEL-TWA (8HOUR)	PEL-STEL (15MIN)
Crystalline Silicon*	0.3 mg/m ³ (as total dust) 0.1 mg/m ³ / 2.4 ppm (as respirable dust)	No data available

US ACGIH THRESHOLD LIMIT VALUES:

SUBSTANCE	TLV-TWA (8 HOUR)	TLV-STEL(15 MIN)
Crystalline Silicon*	0.025 mg/m ³ (respirable fraction)	No data available

NIOSH EXPOSURE LIMITS:

SUBSTANCE	TWA	STEL
Crystalline Silicon*	0.05 mg/m ³ (respirable)	No data available

EXPOSURE GUIDELINES:

ENGINEERING CONTROLS: Provide ventilation to keep exposure below Nuisance Dust Limits. Local exhaust ventilation preferred.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION: ANSI approved safety glasses with side protection. It is generally recognized that contact lenses should not be worn when working with chemicals because contact lenses may contribute to the severity of an eye injury.

SKIN AND BODY PROTECTION: Long sleeved shirt, trousers, safety shoes, and gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

RESPIRATORY PROTECTION: Wear suitable NIOSH-approved dust masks or respiratory protector where local ventilation exhaust is not available or dusty situations are likely to result.

OTHER: Other protective clothing may be required depending on degree of exposure. Eye wash facility should be available.

THERMAL HAZARDS: No data available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	PHYSICAL STATE: Powder
	APPEARANCE: Tan
	ODOR: Slight
	ODOR THRESHOLD: No data available
	PH: No data available
	MELTING/FREEZING POINT: No data available
	BOILING POINT/ BOILING RANGE: No data available
	FLASH POINT: Not applicable
	EVAPORATION RATE: Not applicable
	FLAMMABILITY (SOLID, GAS): Non-flammable
	UPPER/LOWER FLAMMABILITY LIMITS: Not applicable
	VAPOR PRESSURE: Not applicable
	VAPOR DENSITY: Not applicable
	SPECIFIC GRAVITY: No data available
	WATER SOLUBILITY: Appreciable
	SOLUBILITY IN OTHER SOLVENTS: No data available
	PARTITION COEFFICIENT
	N-OCTANOL/WATER: No data available
	AUTOIGNITION TEMPERATURE: No data available
	DECOMPOSITION TEMPERATURE: No data available
	VISCOSITY, KINEMATIC: No data available
OTHER INFORMATION	MOLECULAR WEIGHT: No data available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:	Not chemically reactive.
CHEMICAL STABILITY:	Stable under normal ambient and anticipated conditions of use.
POSSIBILITY OF HAZARDOUS REACTIONS:	Not known.
CONDITIONS TO AVOID:	Excessive heat and contamination of any kind.
INCOMPATIBLE MATERIALS:	Oxidizing agents attack the organic components of these products. As with other organic carbonaceous compounds, these reactions result in heat which is contained in a confined space can cause fires. Hypochlorites, chlorinated isocyanurates, and perborates are examples of oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS:	No uniquely hazardous decomposition products are expected. If the organic portion of product is burned, as with any nitrogen containing organic material, oxides of nitrogen, carbon dioxide, and water can be produced. Partial combustion may produce, in addition to the above, soot and various oxides of carbon.

SECTION 11. TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE:

INHALATION:	Expected route of entry.
EYE CONTACT:	Not an expected route of entry.
SKIN CONTACT:	Not an expected route of entry.
INGESTION:	Expected route of entry.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL, AND TOXICOLOGICAL CHARACTERISTICS:

Possible allergic response or irritation in affected individuals to skin contact, eye contact, or inhalation of dust from product.

DELAYED AND IMMEDIATE EFFECTS AND CHRONIC EFFECTS FROM SHORT OR LONG-TERM EXPOSURE:

Individuals with known allergies, particularly to feedstuffs or enzymes, as well as those individuals with chronic respiratory diseases or particular susceptibility thereto and those with asthmatic conditions should avoid contact with dusty conditions.

NUMERICAL MEASURES OF TOXICITY:

INGREDIENT INFORMATION:

<u>SUBSTANCE</u>	<u>TEST TYPE (SPECIES)</u>	<u>VALUE</u>
Crystalline Silicon	LD50 Oral (Rat)	-
	LD50 Dermal (Rabbit)	-
	LC50 Inhalation (Rat)	-

SKIN CORROSION/IRRITATION: Not expected to cause skin corrosion / irritation.

SERIOUS EYE DAMAGE/EYE IRRITATION: Not expected to cause serious eye damage/eye irritation.

RESPIRATORY SENSITIZATION: No information available on the mixture, however none of the components have been classified as a respiratory sensitizer (or are below the concentration threshold for classification).

SKIN SENSITIZATION: No information available on the mixture, however none of the components have been classified as a skin sensitizer (or are below the concentration threshold for classification).

GERM CELL MUTAGENICITY: No information available on the mixture, however none of the components have been classified for germ cell mutagenicity (or are below the concentration threshold for classification).

CARCINOGENICITY: IARC: Crystalline Silicon is classified as Group 1 Carcinogenic to humans.

NTP: Crystalline Silicon is known to be human carcinogen.

REPRODUCTIVE TOXICITY: No information available on the mixture, however none of the components have been classified for reproductive toxicity (or are below the concentration threshold for classification).

SPECIFIC TARGET ORGAN TOXICITY- SINGLE EXPOSURE: No information available on the mixture, however none of the components have been classified for STOT SE (or are below the concentration threshold for classification).

REPEAT EXPOSURE: No information available on the mixture, however none of the components have been classified for STOT RE (or are below the concentration threshold for classification).

ASPIRATION HAZARD: No information available on the mixture, however none of the components have been classified for aspiration hazard (or are below the concentration threshold for classification).

FURTHER INFORMATION: No data available.

SECTION 12: ECOLOGICAL INFORMATION

INGREDIENT INFORMATION: **ECO-TOXICITY:** PRODUCT DATA: None available

SUBSTANCE	TEST TYPE	SPECIES	VALUE
Crystalline Silicon	LC50	-	-
	EC50	-	-
	EC/LC50	-	-

PERSISTENCE AND DEGRADABILITY: No data available.
BIOACCUMULATION: No data available.
MOBILITY IN SOIL: No data available.
OTHER ADVERSE EFFECTS: None known.

SECTION 13: DISPOSAL CONSIDERATIONS

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION:

Dispose of contaminate product and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate Federal, State and Local regulatory agencies to ascertain proper disposal procedures.

SECTION 14: TRANSPORTATION AND SHIPPING INFORMATION

US DEPARTMENT OF TRANSPORTATION CLASSIFICATION (49CFR): Not regulated under DOT
IMDG: Not regulated under IMDG
IATA (COUNTRY VARIATIONS MAY APPLY): Not regulated under IATA
ENVIRONMENTAL HAZARDS: Marine pollutant: No.

TRANSPORT IN BULK (ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE): No further relevant information available.

SPECIAL PRECAUTIONS WHICH A USER NEEDS TO BE AWARE OF, OR NEEDS TO COMPLY WITH, IN CONNECTION WITH TRANSPORT OR CONVEYANCE EITHER WITHIN OR OUTSIDE THEIR PREMISES: No data available

SECTION 15: REGULATORY INFORMATION

USA- UNITED STATES FEDERAL REGULATIONS: This SDS complies with the OSHA, 29 CFR 1910.1200. The product is hazardous under OSHA.
TOXIC SUBSTANCES CONTROL ACT (TSCA): All substances in this product are listed, as required, or are exempt from the TSCA inventory.
SARA SUPERFUND AND REAUTHORIZATION ACT OF 1986 TITLE III SECTIONS 302, 311,312 AND 313: Section 302 – No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
CERCLA HAZARDOUS SUBSTANCE LIST, 40 CFR 302.4: This product does not contain chemicals listed on CERCLA.
CLEAN AIR ACT (CAA) SECTION 112(R) ACCIDENTAL RELEASE PREVENTION (40 CFR 68.130): None
CLEAN WATER ACT SECTION 311 HAZARDOUS SUBSTANCES (40 CFR 117.3): None
SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCE (40 CFR 355, APPENDIX A): None
SECTION 311/312 (40 CFR 370):
ACUTE HEALTH HAZARD: No
CHRONIC HEALTH HAZARD: Yes
FIRE HAZARD: No
PRESSURE HAZARD: No
REACTIVITY HAZARD: No
SECTION 313 TOXIC RELEASE INVENTORY (40 CFR 372): None

STATE REGULATIONS:

This SDS contains specific health and safety data is applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

CALIFORNIA PROPOSITION 65 (CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986):

MASSACHUSETTS RIGHT TO KNOW:

NEW JERSEY RIGHT TO KNOW:

PENNSYLVANIA RIGHT TO KNOW:

CANADA WHMIS HAZARD CLASS:

WARNING! This product contains a chemical known to the State of California to cause cancer: : Crystalline Silicon (as quartz).

Crystalline Silicon (as quartz) is listed on the Massachusetts Right to Know List.

Crystalline Silicon (as quartz) is listed on the New Jersey Right to Know list.

Crystalline Silicon (as quartz) is listed on the Pennsylvania Right to Know List.

Class D2A: Very Toxic Material at $\geq 0.1\%$

SECTION 16: OTHER INFORMATION

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Maintain good housekeeping, avoid creating aerosols. For maintenance of product quality, store in dry cool (under 110°F) warehouse conditions.

KEEP OUT OF REACH OF CHILDREN

Although the information and recommendations set forth in this sheet are believed to be correct as of the date hereof, Airmax®, Inc. makes no representation as to the completeness or accuracy of such information and recommendations. Airmax®, Inc. shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication or use of or reliance upon such information and recommendations. You are encouraged to advise anyone working with or exposed to such products of the information contained herein. No warranty, either express or implied, of merchantability or fitness or of any other nature with respect to the product or to the information and recommendations herein made hereunder.