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RM SILC-600

SAFETY DATA SHEET

Agrilectric® MaxFlo, MaxSorb, RHA, MaxFlo® Grade IV

1. Identification

Material Name:	Agrilectric® MaxFlo, MaxSorb, RHA, MaxFlo® Grade IV
Synonyms:	None
Recommended Use:	Filtration aid, absorbent, filler, heat insulator
Restrictions on Use:	None known
Supplier:	Agrilectric Research Company P.O. Box 3716. Lake Charles, LA. 70602 Phone: (337) 430-0006
Emergency:	Emergency Telephone No. (337) 430-0006

2. Hazard Identification

DANGER!
May cause cancer by inhalation.
May cause damage to lungs through prolonged or repeated inhalation.

GHS Classification:

Health	Environmental	Physical
Carcinogenicity, Category 1 STOT Chronic (inhalation), Category 2	Not classified	Not classified

GHS Label:

Symbols:



Signal Word – DANGER ***Hazard Statements*** May cause cancer by inhalation. May cause damage to lungs through prolonged or repeated inhalation.	***Precautionary Statements*** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Wear respiratory protection. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

3. Composition / Information on Ingredients

Substance	CAS #	EINECS #	Wt.%
Crystalline silica (Cristobalite)	14464-46-1	238-455-4	0.1-1

See Section 8 for exposure limits

4. First Aid Measures

Inhalation: IF INHALED: Remove person to fresh air and ensure comfortable breathing. Get medical attention if exposed or concerned or if you feel unwell.
Skin Contact: IF ON SKIN: Wash skin with soap and water. Get medical attention if irritation develops or persists.
Eye Contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Get medical attention if irritation persists.

Ingestion: Get medical advice if you feel unwell.

Most important symptoms/effects, acute and delayed: Prolonged exposures may cause cancer.

Immediate medical attention and special treatment, if necessary: No additional information available

Note to physician: Treat symptomatically, see Section 11.

5. Fire Fighting Measures

Suitable Extinguishing media: Product will not burn. Water/foam, carbon dioxide, ABC fire extinguisher powder; water fog should be used to cool fire-exposed containers, structures and to protect personnel from the surrounding fire.
Unsuitable Extinguishing media: High pressure water jet.
Special exposure hazards: None known.
Combustion products: Product will not burn.
Protection of firefighters: Fire fighters should wear full protective clothing including self-contained breathing apparatus. Keep personnel removed and upwind of fire. Keep containers cool with water spray. Do not inhale combustion gases.

6. Accidental Release Measures

Personal precautions/emergency procedures: Use suitable protective equipment (see section 8) to prevent contamination of skin, eyes and personal clothing. Evacuate unnecessary personnel. Prevent entry to sewers and public waters.
Methods for cleanup: Do not generate dust. Shovel into an appropriate container and recycle or dispose in accordance with applicable regulations and product characteristics at time of disposal (see also Section 13).

7. Handling and Storage

Handling: Do not generate dust. When using do not eat, drink or smoke. Avoid repeated or prolonged contact with skin and breathing dust. Wash hands thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas.
Storage: Store locked up in the original container.

8. Exposure Controls / Personal Protection

Exposure Limits: ACGIH: Crystalline silica: 0.025 mg/m3 (respirable fraction). PNOS: 3 mg/m3 (total respirable), 10 mg/m3 (inhalable).
OSHA: Crystalline Quartz: 0.05 mg/m3 (respirable). For cristobalite use half the value calculated for quartz. Nuisance Dust (PNOR): 5 mg/m3 (respirable), 15 mg/m3 (total).
Canada Ontario, Quebec: 0.05 mg/m3 cristobalite; 1.0 mg/m3 quartz (respirable)
Canada Alberta, British Columbia, Manitoba: 0.025 mg/m3 cristobalite and quartz (respirable)
Engineering controls: Avoid spills and use engineering controls to minimize dust and to control exposure to less than applicable limits. Post warning signs to alert personnel to potentially dusty areas. Practice good housekeeping and provide approved respirators if workers are exposed to dust.
Personal protection: General: General hygiene considerations are appropriate when used as recommended. The following precautions are recognized as common good industrial hygiene practice. Emergency conditions may require additional precautions. Follow precautions listed and recommendations for personal protective equipment.
Eye: Wear eye and face protection. Have eye-wash stations available where eye contact can occur.
Skin: Minimize skin contact. Additional protection may be necessary to prevent skin contact including use of apron, face shield, boots or full body protection. Wash hands thoroughly after handling. A safety shower should be located in the work area.

Respiratory: Do not breathe dust. NIOSH approved respiratory protection should be worn if exposure limits are exceeded. A NIOSH approved respirator is generally acceptable for concentrations up to 10 times the PEL. Use a NIOSH approved air-supplied respirator for higher concentrations, unknown concentrations and for oxygen deficient atmospheres. Use only outdoors or in a well-ventilated area. Engineering controls are the preferred means for controlling chemical exposures. In case of inadequate ventilation wear respiratory protection. Respiratory protection may be needed for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA 29 CFR 1910.134.
Thermal: Not normally required.

9. Physical and Chemical Properties

Appearance**:**	Coarse black powder
Odor:	Odorless
Odor threshold:	Not available
pH:	6.5-9
Melting point:	1700 C (3000 F)
Initial Boiling point/ range:	Not applicable
Flash Point:	Not flammable
Evaporation rate:	Not applicable
Flammability (solid, gas):	Not flammable
Upper/ lower flammability or explosive limits:	Not flammable
Vapor pressure:	Not applicable
Vapor density:	Not applicable
Relative density:	1.8-2.2
Solubility in water:	Insoluble
Solubility in fats/ oils**:**	Insoluble
Partition Coefficient (n-octanol-water):	Not available
Autoignition temperature:	Not applicable
Decomposition temperature:	Not applicable
Viscosity:	Not applicable

10. Stability and Reactivity

Reactivity:	No dangerous reaction known under conditions of normal use.
Chemical Stability:	Product is stable at ambient temperature and pressure.
Hazardous Reactions:	Will not occur.
Conditions to Avoid:	Product is stable.
Incompatible Materials:	Hydrofluoric acid (HF) and other oxidizing agents.
Hazardous Decomposition Products	Product is stable.

11. Toxicological Information

Acute toxicity:	Not available
Skin corrosion / irritation:	Not available
Respiratory or skin sensitization:	Not available
Germ cell mutagenicity:	Not available
Carcinogenicity:	Respirable crystalline silica: ACGIH: A2, Suspected Human Carcinogen; NTP: Known human carcinogen; IARC: Group 1, Carcinogenic to humans.
Reproductive toxicity:	Not available

STOT–single exposure:	Not available
STOT-repeated exposure:	Crystalline silica: Pulmonary fibrosis, silicosis
Aspiration hazard:	Not available
Other Information:	Most likely exposure routes are inhalation, skin and eye contact. Excessive inhalation of crystalline silica dust may cause a progressive, disabling and sometimes fatal lung disease called silicosis. Symptoms include cough, shortness of breath, wheezing, non-specific chest illness and reduced pulmonary function. This disease is exacerbated by smoking. Individuals with silicosis are predisposed to develop tuberculosis. There is some evidence that breathing crystalline silica is associated with an increased incidence of significant diseases such as scleroderma and kidney disease.

12. Ecological Information

Toxicity:	Not available
Persistence and degradability:	Not available
Bioaccumulative potential:	Not available
Mobility in soil:	Not available
Other adverse effects:	Not available

13. Disposal Considerations

Disposal methods: Dispose of contents/ container in accordance with applicable regulations.

14. Transport Information

Not regulated for transportation.
Environmental Hazards: Not a marine pollutant.

15. Regulatory Information

No components are subject to Montreal Protocol, Stockholm Convention, or Rotterdam Convention.
Region specific regulations
SARA Title III:
Section 302/304. Extremely Hazardous Substances - None.
Section 311/312. (40CFR370) Hazardous Categories: Acute, Chronic
Section 313: Contains the following SARA 313 Toxic Release Chemicals: None
The following product components are cited on the lists below:

Chemical Name	CAS Number	List Citations
Crystalline silica (Cristobalite)	14464-46-1	NJ MA, MI, PA

TSCA (Toxic Substance Control Act): Listed.
California Proposition 65: ⚠ **WARNING**: This product can expose you to crystalline silica (airborne particles of respirable size), which is known to the State of California to cause cancer. For more information, go to www.p65warnings.ca.gov.
Canada WHMIS 2015. This product has been classified according to the hazard criteria of the HPR and the SDS contains all the information required by the HPR.
European Union Labeling: Xn - R48/20 - S22 - S36/39 - S45.

16. Other Information

Disclaimer: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication and is based on data provided by our supplier. The information is given only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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