



Section 1. Chemical Product and Company Identification	
Trade Name	Green Cell™ Foam Sheet
Product Number	
Supplier	KTM Industries, Inc. Lansing, MI 48906
Synonym	Starch-base Foam
Date Prepared	11-25-01
Manufacturer	KTM Industries, Inc.
Technical Information	Toll free: (877) 938-6738

Section 2. Composition and Information on Ingredients	
Name	% by Weight
1) Corn Starch	>90
2) Proprietary Additives/processing aids	1-10

Section 3. Hazards Identification	
Physical State and Appearance	Solid. Foam has a natural off-white coloration.
Emergency Overview	Product is considered non-hazardous under normal handling, storage, and application.
Potential Acute Health Effects	<p><i>Eyes</i> Exposure to any dust formed may cause some mechanical irritation.</p> <p><i>Skin</i> Essentially non-irritating to skin.</p> <p><i>Ingestion</i> Ingestion unlikely. If ingestion occurs, product will dissolve, but may cause some gastric irritation and discomfort.</p> <p><i>Inhalation</i> No hazard under normal use, inhalation of any dust generated may cause some irritation of the respiratory system.</p>
Potential Chronic Health Effects	There is no known effect from chronic exposure to this product.

Section 4. First Aid Measures	
Eye Contact	Flush eyes with large amounts of water until irritation subsides.
Skin Contact	Wash off in flowing water or shower.
Ingestion	Due to the physical nature of the material, ingestion is unlikely. If large quantities of material are ingested, seek medical attention.
Inhalation	Remove to fresh air if any effects occur. Consult physician.

Section 5. Fire Fighting Measures	
Flammability of the Product	<p><i>Flash Point</i> Not applicable.</p> <p><i>Method Used</i> Not applicable.</p> <p><i>Auto-ignition Temperature</i> Not applicable.</p> <p><i>Flammability Limits (LFL, UFL)</i> Not applicable.</p>
Hazardous Combustion Products	Under fire conditions, the starch polymer will decompose. It burns cleanly giving no smoke. Combustion product includes carbon dioxide.
Other Flammability Information	Product should not pose a strong fire hazard. However, product will burn if ignited. To reduce the potential for dust explosion, do not permit dust to accumulate.
Extinguishing Media	Water, carbon dioxide, dry chemical.
Fire Fighting Instructions	Keep people away. Isolate fire area and deny unnecessary entry. Hand held carbon dioxide or dry chemical extinguisher may be used for small fires. Soak thoroughly with water to cool and prevent re-ignition.
Protective Equipment for Fire Fighters	Wear positive pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes firefighting helmet, coat, pants, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

Section 6. Accidental Release Measures

Protect People ~~Not applicable.~~

Protect the Environment Not Applicable.

Cleanup Not Applicable.

Section 7. Handling and Storage

Handling Good housekeeping and controlling of dusts are necessary for safe handling of product.

Storage Store in a cool, dry area away from moisture, excessive heat and sources of ignition.

Section 8. Exposure Controls/Personal Protection

Engineering Controls Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

Personal Protective Equipment

Eye/Face Protection Safety glasses.*Skin Protection* No precautions should be necessary other than clean clothing covering body.*Respiratory Protection* No respiratory protection should be needed. If over-exposure to dust by inhalation is anticipated, appropriate NIOSH/MSHA approved respiratory protection should be provided.

Exposure Guideline(s) None established.

Section 9. Physical and Chemical Properties

Physical State and Appearance Natural off-white color, foamed sheet material

Odor None to mild starch odor.

Vapor Pressure Not applicable.

Vapor Density Not applicable.

Boiling Point Not applicable.

Solubility in Water Water soluble, readily biodegradable and assimilated by soil microorganisms as food.

Specific Gravity

Bulk Density

Particle Size Not applicable.

Molecular Weight Very high.

Section 10. Stability and Reactivity

Chemical Stability Stable under recommended storage conditions. See Section 7. Handling and Storage.

Conditions to Avoid Avoid temperatures above 220 degrees C. Product can decompose at or above this temperature.

Incompatibility with Other Materials Avoid contact with oxidizing agents.

Hazardous Decomposition Products Upon decomposition, this product emits carbon dioxide and carbon monoxide.

Hazardous Polymerization Not applicable.

Section 11. Toxicological Information

Acute Toxicity/Target Organ Information No data available for the product.

Mutagenicity No relevant information found.

Section 12. Ecological Information

Eco-toxicity Non-toxic in the environment.

Biodegradable Material will completely and effectively biodegrade in the environment.

Special Remarks on Biodegradation Material is safely and readily assimilated by soil microorganisms, wherein it functions as an energy source for the microorganisms.

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Section 13. Disposal Considerations

Waste Information The material should be disposed of in accordance with all applicable federal, state or provincial, and local environmental regulations. As shipped, not regulated as a hazardous waste. No EPA waste numbers are applicable for this product's components.

Additional Waste Information The material will completely biodegrade to carbon dioxide and cell mass in the natural environment in a short period of time.

Section 14. Transport Information

DOT Information Not regulated as a hazardous material.

Shipping Name Not regulated.

Hazard Class Not regulated.

UN/NA # Not regulated.

Packing Group Not regulated.

International Transportation Regulations Not regulated as dangerous goods.

Section 15. Regulatory Information (Not meant to be all-inclusive – selected regulations represented)

U.S. Federal Regulations **SARA INFORMATION:** to the best of our knowledge, this product contains no chemical subject to SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) or CERCLA (40 CFR 302.4).
TOXIC SUBSTANCES CONTROL ACT (TSCA): All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.
OSHA HAZARD COMMUNICATION STANDARD: this product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard 29 CFR 1910, 1200.

Section 16. Other Information

References

Other Special Considerations This MSDS covers all prime general purpose Green Cell grades made by KTM Industries, Inc. Not a hazardous material.

KTM Industries, Inc.:
(877) 938-6738

Notice to Reader: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state, or provincial, and local laws. The specific information above is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See other sections for health and safety information.