

SDS

Safety Data Sheet

Section I Chemical Product and Company Identification

Product Name	BAM Ultra
Synonyms	BAM Ultra-MILLED
CAS Number	7440-44-0
Active Ingredients	Pyrolyzed Cellulosic Material
Recommended Use	Soil Stabilization, Remedial Activities
Restrictions on Use	None
Formulated by	ORIN Technologies, LLC
Address	405 Investment Court, Verona, WI 53593 USA
Emergency Phone Number	8 AM-5PM CST: 608-838-6699 5 PM -8 AM CST, Weekends, Holidays: 262-821-7024

Section II Hazard(s) Identification



Signal Word	Warning		
Hazard Statements	May cause Respiratory Irritation May form combustible dust concentrations in air		
Precautionary Statements - Prevention	Do not breathe dust, fume, gas Wash thoroughly after handling Use only outdoors or in a well-ventilated area Wear gloves, eye, respiratory protection, face protection, and protective clothing		
Precautionary Statement – Response	IF ON SKIN – Wash with plenty of soap and water IF INHALED – Remove victim to fresh air and keep at rest position comfortable for breathing. IF IN EYES –Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue Rinsing Call a POISON CENTER or doctor if you feel unwell If skin irritation occurs: Get medical advice or attention. If eye irritation persists: Get medical advice or attention. If respiratory irritation persists: Get medical advice or attention. Take off contaminated clothing and wash before reuse.		
Storage	Store in a well ventilated place. Keep container tightly closed. Store in a secure manner.		
Exposure Limits ND	Synergistic Products ND	Sensitization/Irritancy: ND	Carcinogenicity/Teratogenicity/ Mutagenicity/Reproductive Effects: None Known

Section III Composition and Information on Ingredients

Chemical Name	CAS#	wt/wt %
Carbon (Wood Derived)	7440-44-00	85-95 (dry basis)
Minerals (Wood Derived)	N/A	5-15 (dry basis)
Water	7780-20-0	20-40%

Hazardous Ingredients: NONE

Section IV First Aid Measures					
Skin		Prolonged contact with skin may result in slight irritation/redness in sensitive individuals. Seek medical attention if persists. Wash with soap and water. Not expected to be harmful under normal conditions of use.			
Eyes		May irritate the eyes and cause watering and redness in sensitive individuals. Rinse thoroughly with plenty of water to remove foreign bodies. Seek medical attention if persists.			
Inhalation		Inhalation of dust may irritate nose, throat, and lungs. May aggravate pre-existing conditions. Remove affected person to fresh air. Seek medical attention if persists.			
Ingestion		If suffering gastrointestinal discomfort, treat symptomatically. Do not ingest.			
Section V Fire-Fighting Measures					
Flammability		This product should not come into contact with naked flames.			
Means of Extinguishing		Foam, Water Spray, CO ₂ , Dry Chemical,			
Advice for Fire Fighters		Wear self-contained breathing apparatus for firefighting if necessary			
Flashpoint	NA	Auto-Ignition Temperature	ND		
UEL	NA	TDG Flammability Class	ND		
LEL	NA	Hazardous Combustion Products	NA		
Section VI Accidental Release Measures					
Personal Precautions, Protective Equipment, Emergency Procedures		Avoid dust formation. Avoid breathing vapors, mist, or gas. For personal protection, see Section 8			
Environmental Precautions		No specific environmental precautions required.			
Methods and materials for Containment and Cleanup		Sweep up and shovel. Keep in suitable, closed containers for disposal.			
Reference for other sections		For disposal, see section 13.			
Section VII Handling and Storage					
Engineering Controls		Ventilate			
Leak or Spill Procedure		Sweep up into suitable container. Prevent entry into waterways.			
Handling Procedures and Equipment		Avoid direct and prolonged contact with skin			
Storage Requirements		Store in a cool, well ventilated, dry place			
Section VIII Exposure Controls/Personal Protection					
Personal Protective Equipment		Respiratory: Proper dust masks should be worn if prolonged use of this product is expected. Use type N95 dust masks for nuisance levels. Use respirators and components tested and approved under appropriate government standards (NIOSH).			
		Eyes: Use of safety glasses recommended to avoid contact with eyes (NIOSH).			
		Gloves: Use of gloves recommended to avoid direct skin contact.			
Section IX Physical and Chemical Properties					
Physical State		Solid			
Odor and Appearance		Slightly earthy odor. Brown or black solid particles			
Odor Threshold	NDA	Specific Gravity	1.5-2.1 for solid matrix, bulk density varies.	Evaporation Rate	NDA
Vapor Pressure	NDA	Vapor Density	NDA	Density	Varies
Boiling Point	NA	Freezing Point	NDA	pH	7-9.5
Flammability (solid, gas)	May form combustible dust concentrations in air	Explosive Properties Bar m/s	K _{st} = 32 +/- 30%	Dust Explosion Class	St 1
Water Solubility	Not soluble	Auto Ignition Temp.	NDA	Relative Density	NDA
Partition Coefficient	NDA	Decomposition Temp.	NDA	Viscosity	NDA

Section X Stability and Reactivity			
Chemical Stability:	Stable	Incompatibility:	Strong acids, alkalis, and oxidizing agents.
Conditions of Reactivity:	NA	Hazardous Decomposition Products:	Strong oxidizers such as ozone, liquid oxygen, chlorine, permanganate, etc. may result in rapid combustion. Avoid contact with strong acids.
Section XI Toxicological Information			
No Data Available			
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.			
Section XII Ecological Information			
No Data Available			
Section XIII Disposal Considerations			
Disposal	Sweep, vacuum or shovel material into labeled container. If at all possible, reuse product. Keep out of any bodies of water.		
Section XIV Transport Information			
Shipping Information	Not regulated (DOT)		
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