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R. E. CARROLL, INC.
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Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

<p><i>IDENTITY (as Used on Label and List)</i> Microwate Products/ Celestite Strontium Sulfate (SrSO₄) & Barium Sulfate (BaSO₄)</p>	<p><i>Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.</i></p>
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Section I

<p><i>Manufacturer's Name</i> Milwhite, Inc.</p>	<p><i>Emergency Telephone Number</i> 956/547-1984</p>	
<p><i>Address (Number, Street, City, State and ZIP Code)</i> 5487 South Padre Island Hwy Brownsville, TX 78521</p>	<p><i>Telephone Number for Information</i> 956/547-1984</p>	<p><i>Fax Number</i> 956/547/1996</p>
<p>CAS No. 7727-43-7 and 7759-02-6</p>	<p><i>Date Prepared</i> 10/05/04</p> <p><i>Signature of Preparer (optional)</i></p>	

Section II—HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

<i>Hazardous Components (Specific Chemical Identity, Common Name(s))</i>	<i>OSHA PEL</i>	<i>ACGIH TLV</i>	<i>Other Limits Recommended</i>	<i>% (Optional)</i>
Barium Sulfate [7727-43-7]	5 mg/m ³ Respirable	10 mg/m ³	N/A	N/A

Section III—PHYSICAL / CHEMICAL CHARACTERISTICS

<i>Boiling Point</i>	N/A	<i>Specific Gravity (H₂O = 1)</i>	3.95
<i>Vapor Pressure (mm Hg)</i>	N/A	<i>Melting Point</i>	N/A
<i>Vapor Density (AIR = 1)</i>	N/A	<i>Evaporation Rate (Butyl Acetate = 1)</i>	N/A
<i>Solubility in Water</i> Insoluble			
<i>Appearance and Odor</i> Off-White powder. Odorless.			

Section IV—FIRE AND EXPLOSION HAZARD DATA

<i>Flash Point (Method Used)</i> Non-Flammable	<i>Flammable Limits</i> N/A	<i>LEL</i> N/A	<i>UEL</i> N/A
<i>Extinguishing Media</i>	N/A		
<i>Special Fire Fighting Procedures</i>	None		
<i>Unusual Fire and Explosion Hazards</i>	None		

(Reproduce locally)

OSHA 174 Sept. 1985

MICROWATE

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Section V—REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	None
	Stable	X		
Incompatibility (Materials to Avoid)		None		
Hazardous Decomposition or Byproducts		None		
Hazardous Polymerization	May Occur		Conditions to Avoid	None
	Will Not Occur	X		

Section VI—HEALTH HAZARD DATA

Route(s) of Entry	Inhalation?	Skin?	Ingestion?
	Yes	No	Yes
Health Hazards (Acute and Chronic) Repeated inhalation over extended period of any dust, including Microwate, may result in lung injury.			
Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	N/A	N/A	N/A
Signs and Symptoms of Exposure: None visual		Medical Conditions generally Aggravated by Exposure: Not known.	
Emergency and First Aid Procedures: Eyes: Flush with water. Inhalation: Fresh air. No other special first aid required.			

Section VII—PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material Is Released or Spilled: Material may be swept or scooped into container for disposal. Avoid creating dust.

Waste Disposal Method: Material as shipped may be disposed of in sanitary landfill or in accordance with federal, state and local regulations.

Precautions to be Taken in Handling and Storing:

Avoid unnecessary product agitation to keep dust level as much below TLV as possible.

Other Precautions: None

Section VII—CONTROL MEASURES

Respiratory Protection (Specify Type): NIOSH / MSHA approved respirator

Ventilation	Local Exhaust	Yes	Special	N/A
	Mechanical (General)	N/A	Other	Dust Collectors
Protective Gloves		None	Eye Protection	Goggles to prevent dust in eyes

Other Protective Clothing or Equipment: None

Work/Hygienic Practices: Normal work practices.