



MATERIAL SAFETY DATA SHEET

Kinetico Incorporated, P. O. Box 193, Newbury, Ohio 44065

Phone: (800) 944-9283

Fax: (440) 564-9541

Trade Name: Kinetico Macrolite[®] Ceramic Spheres

E-mail: custserv@kinetico.com

Issued: December 14, 1994

Macrolite Ceramic Spheres meet the requirements of NSF Standard 61 and are NSF listed.

1. <u>INGREDIENT</u>	<u>C.A.S. NO.</u>	<u>WEIGHT PERCENT</u>
Nepheline Syenite.....	37244-96-5.....	85.0 – 95.0
Aluminum Oxide.....	1344-28-1.....	1.0 – 15.0
Bentonite.....	1302-78-9.....	3.0 – 5.0
Silicon Carbide.....	409-21-2.....	1.0 – 3.0

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372 ALUMINUM OXIDE.

2. PHYSICAL DATA

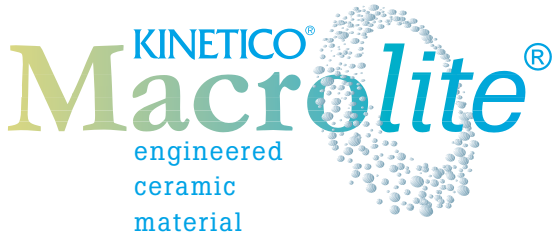
Boiling Point.....	N/A
Vapor Pressure.....	N/A
Vapor Density.....	N/A
Evaporation Rate.....	N/A
Solubility in Water.....	N/A
Specific Gravity.....	0.4 – 2.6
Percent Volatile.....	N/A
Volatile Organics.....	N/D
VOC less H ₂ O & Exempt Solvent.....	N/D
pH.....	SL Basic
Viscosity.....	N/A
Melting Point.....	N/D
Appearance and Odor.....	Taupe Spheres, No Odor

3. FIRE AND EXPLOSION HAZARD DATA

Flash Point.....	N/A
Flammable Limits – LEL.....	N/A
Flammable Limits – UEL.....	N/A
Auto-ignition Temperature.....	N/D
Extinguishing Media.....	N/D
N/A	
Special Fire Fighting Procedures.....	NONE
Unusual Fire and Explosion Hazards.....	NONE

Abbreviations: N/D – Not Determined, N/A – Not Applicable





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4. REACTIVITY DATA

Stability Stable
 Incompatibility – Materials to Avoid..... NONE
 Hazardous Polymerization Will Not Occur
 Hazardous Decomposition Products..... NONE

5. ENVIRONMENTAL INFORMATION

Spill Response Observe precautions from other sections. Use dust mask to avoid inhaling dust. Collect spilled material.
Recommended Disposal Dispose of waste in a sanitary landfill.
Environmental Data N/A

6. SUGGESTED FIRST AID

Eye Contact Immediately flush eyes with large amounts of water. Call a physician.
Skin Contact Wash with soap and water.
Inhalation Remove person to fresh air.
If Swallowed Give one to two glasses of water. Call a physician.

7. PRECAUTIONARY INFORMATION

Other Precautionary Information:

Avoid eye contact with the dust. Use of eye protection such as chemical safety goggles is suggested. Avoid inhalation of dust. Use respiratory protection where local exhaust ventilation is not available.

EXPOSURE LIMITS

<u>INGREDIENTS</u>	<u>VALUE</u>	<u>UNIT</u>	<u>TYPE</u>	<u>AUTH.</u>	<u>*SKIN</u>
Nepheline Syenite	NONE	NONE	NONE	NONE	
Aluminum Oxide – As Dust	10	mg/m3	NONE	OSHA	
Aluminum Oxide – As Dust	10	mg/m3	NONE	ACGIH	
Bentonite	NONE	NONE	NONE	NONE	
Silicon Carbide	10	mg/m3	NONE	OSHA	

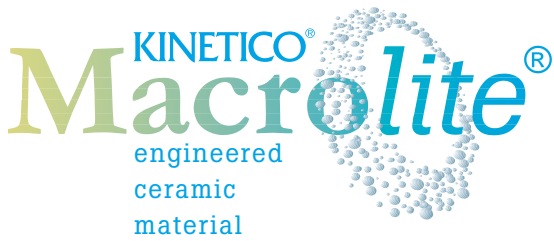
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Distributed By

Freeman Manufacturing & Supply Co.

www.freemansupply.com 800-321-8511





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7. PRECAUTIONARY INFORMATION (Continued)

***Skin Notation:** Listed substances indicated with "Y" under **Skin** refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne, or more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

Source Exposure Limit Data:

ACGIH – American Conference of Governmental Industrial Hygienists

OSHA – Occupational Safety and Health Administration

NONE – None Established

8. HEALTH HAZARD DATA

Eye Contact – May cause eye irritation if dust gets into eyes.

Skin Contact – Skin irritation is not expected from normal use and handling.

Inhalation – Breathing of the dust may cause irritation of the respiratory system.

If Swallowed – Macrolite brand ceramic spheres are expected to be practically non-toxic orally.

Section Change Dates:

The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this material under normal conditions. Any use of the material which is not in conformance with this Data Sheet or which involved using the material in combination with any other material or any other process is the responsibility of the user.

Revised: September 17, 2009

