

MATERIAL SAFETY DATA SHEET

EPOXYCOAT ANTI-SLIP SPHERES

SECTION 1: PRODUCT IDENTIFICATION AND USE

PRODUCT NAME:	Epoxycoat Anti-Slip Spheres	Date Prepared: January 1 st , 2010
PRODUCT USE:	Epoxy floor coatings extenders	
MANUFACTURER:	Brodi Specialty Products Ltd. 3175 14 th Avenue, Unit 1, Markham, ON, L3R 0H1	
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PREPARED BY:	MSDS Co-ordinator, (877) 744-0751 ext 205, Brodi Specialty Products Ltd.	

SECTION 2: HAZARDS IDENTIFICATION

HARDOUS CLASSIFICATION:	Non-hazardous substance. Non-dangerous goods.
RISK PHRASE(S):	None allocated.
SAFETY PHRASE(S):	None allocated.

SECTION 3: PHYSICAL DATA

Hollow spheres approx. 100 – 350 micron in diameter of fused alumino silicate (CAS 68131-74-8) containing the following insparable phases:

Chemical Name	CAS Number	Proportion
Amorphous alumino silicate	1327-36-2	65 – 85%
Mullite	1202-93-8	20 – 30%
Quartz	14808-60-7	0 – 2%
Calcite	1317-65-3	0 – 5%

Ingredients determined not to be hazardous to 100%.

Any quartz is fused into the ceramic matrix and hence it is not biologically available.

The spheres are inert and do not leach detectable levels of heavy metals.

This product is an article as defined by TSCA regulations and is exempt from TSCA Inventory listing requirements.

SECTION 4: FIRST AID MEASURES

NECESSARY FIRST AID MEASURES:	
Ingestion:	- Drink water do not induce vomiting.
Eye:	- Flush continuously with water for 15 minutes, held eyelids open, do not rub eyes.
Skin:	- If skin becomes irritated, remove clothing, wash areas of contact with soap and water. Using a skin cream or lotion may be helpful in reducing irritation.
Inhalation:	- Remove exposed person to fresh air.
MEDICAL ATTENTION:	
First Aid Facility:	- Non should be required
Comments:	- Treat according to person's condition and specifics of exposure.
Advice to Doctor:	- Treat symptomatically for irritant effects.

SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	- Not applicable. Material not combustible.
Hazards from Combustion Products:	- Not applicable. Material not combustible.
Precautions for Fire Fighters and Special Protective Equipment:	- Not applicable. Material not combustible.
Hazchem Code:	- Not applicable.
NFPA Hazard Codes:	Health: 1 Fire: 0 Reactivity: 0
Unusual Reaction Hazard:	None

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedures:	- None required.
Clean Up Procedures:	- Shovel up bulk, use vacuum cleaner to clean up residues. Laws and regulations may apply to releases and disposal of this material. You will need to determine which laws and regulations are applicable.

EPOXYCOAT ANTI-SLIP SPHERES**SECTION 7: HANDLING AND STORAGE**

Precaution for safe handling:	- Where possible use local exhaust ventilation.
Conditions for safe storage:	- Keep dry. No special storage requirements.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE STANDARDS:	- No value assigned for this specific material.
Recommended Values:	
10mg/m ³ :	- Particulates not otherwise classified (ACGIH: American Conference of Governmental Industrial Hygienists.)
0.1mg/m ³ :	- Crystalline silica (OSHA: Occupational Safety and Health Administration)
0.05mg/m ³ :	- (ACGIH: American Conference of Governmental Industrial Hygienists.)
Biological Limits Values:	- No biological limit allocated.
Engineering Controls:	- Where possible use local exhaust ventilation.
Personal Protective Equip.:	- Overalls, safety shoes, safety glasses, gloves, dust mask.

Avoid skin and eye contact and inhalation of dust. Wear overalls, safety glasses and impervious gloves. Avoid generating and inhaling dust. If dust exists, wear NIOSH approved respirator based on airborne concentration of contaminants and in accordance with OSHA regulations. Wash contaminated clothing and other protective equipment before storage or reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES	
Physical form, color & odor:	- Fine grey/tan powder, no odor.
Vapour Pressure:	- Not applicable.
Boiling Point:	- Not applicable.
Melting Point:	- 1200° to 1400°C.
Solubility in Water:	- Insoluble.
Specific Gravity @ 25°C:	- 0.75 to 0.95
Flash Point:	- Not applicable.
Lower Flammability Limit:	- Not applicable.
Upper Flammability Limit:	- Not applicable.
Auto Ignition Temperature:	- Not applicable.
SECTION 10: STABILITY AND REACTIVITY	
Chemical Stability:	- Stable.
Condition to Avoid:	- None known.
Incompatible Materials:	- Can react with strong oxidizers.
Hazardous Decompositions:	- None known.
Hazardous Reactions:	- Hazardous polymerization will not occur.
SECTION 11: TOXICOLOGICAL INFORMATION	
No adverse health effect expected if the product is handled in accordance with this MSDS and the product label. Symptoms that may arise if the product is mishandled and overexposure occurs are:	
Likely route of exposure: <input checked="" type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Skin Contact <input checked="" type="checkbox"/> Ingestion	
Health effects from likely route of exposure:	
Acute: Ingestion: If ingested in sufficient quantity may cause temporary gastric irritation.	
Eye: Physical irritation. Abrasive action may cause damage to outer surface of the eye.	
Skin: May cause irritation and inflammation due to defatting or mechanical action.	
Inhalation: Irritation to nose, throat and upper respiratory tract.	
Chronic: No LD50 data available for product	
Epoxycoat Anti-Slip Spheres consist of amorphous and poorly crystalline aluminosilicates with a very low crystalline silica content. They are inert and do not leach detectable amounts of heavy metals. IARC has classified quartz as Group 1 carcinogen and NTP has classified quartz as known human carcinogen. In line with evidence from other naturally occurring non-fibrous aluminosilicates, if dust exposures are kept below the exposure standard, no long-term health or toxic effects such as pneumoconiosis or cancer are expected.	
The above listed potential effects of overexposure are based on actual data, the results of studies performed upon similar compositions, component data, and/or expert review of the products.	
SECTION 12: ECOLOGICAL INFORMATION	
Ectotoxicity:	- No adverse effects on aquatic organisms are predicted.
Bioaccumulation:	- No bioaccumulation potential.
Environmental Fate & Distribution :	- Not soluble in water. It will adhere to soil or sediments.
Fate & Effects in Waste Water	- No adverse effects on bacteria are predicted.
Treatment Plants:	
U.S. EPA Hazardous Waste No.:	- None (Not U.S. EPS Hazardous)
SECTION 13: DISPOSAL CONSIDERATION	
Disposal Method:	- Waste should be placed in containers, plastic bags or other methods which prevent dust emission, and disposed of in accordance with the local waste disposal authority requirements.
Special Precautions for Landfill or Incineration:	- None known.
SECTION 14: TRANSPORTATION INFORMATION	
UN Number:	- None allocated.
UN Proper shipping number:	- None allocated.
Dangerous Goods:	- None allocated.
Special Precautions:	- Not applicable.
Hazchem Code:	- Not applicable.
SECTION 15: REGULATORY INFORMATION	
SUSDP Poison Schedule No.:	- None allocated. This product is an article defined by TSCA, EINECS, CDSL, MITI, KECl, AICS, PICCS and CICS regulations, and is exempt from chemical inventory listing requirements.
SECTION 16: PREPARATION INFORMATION	
Disclaimer:	This information is based on our current knowledge and is intended to describe the product for the purpose of health, safety and environmental requirements only. Brodi Specialty Products Ltd. cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product.