

Brampton Technology, Ltd 55 Maselli Road Newington, CT 06111

860-667-7689 FAX 860-666-1425

Brampton Glass Beads 08/21/2012

| Chemical Names | CASNo. | Percent* | Exposure Limits in Air (give units) |
|-----------------|------------|----------|-------------------------------------|
| Silica | 60676-86-0 | >67% | ACGIH TLV |
| Aluminum Oxide | 1344028-1 | <1% | OSHA PEL OTHER (specify) |
| Potassium Oxide | 12136-45-7 | <7% | 8 Hr. TWA 10mg/m3 |
| Boric Oxide | 1303-86-2 | <2% | Nuisance particulate) |
| Barium Oxide | 1304-28-5 | <6% | 0.3 mg/m3 Total mass |
| Lime | 1305-78-8 | <5% | |
| Soda | 1313-59-3 | <10% | |
| Magnesium Oxide | 1309-48-4 | <1% | Material contains no lead |

III. PHYSICAL PROPERTIES

Vapor density: N/A 2.55 Melting point or range, F: 900
Specific gravity: Insolubl Boiling point or range, F: None
Solubility in e N/A Evaporation rate: N/A
water: Vapor Appearance and odor: Clear Glass Beads, no odor

HOW TO DETECT THIS SUBSTANCE* (WARNING PROPERTIES OF SUBSTANCE AS A GAS, VAPOR, DUST OR MIST)

* Not a required category

Note: All required categories should be addressed. If any item is not applicable, or no information is available, the space must be marked to indicate that.

IV. FIRE & EXPLOSION

Flash Point, F (give method) N/A deg. F
Auto ignition temperature, F N/A
Flammable limits in air, volume% N/A - lower (LEL) N/A upper (UEL) N/A

Fire extinguishing materials N/A

___ water spray ___ carbon dioxide ___ other
___ foam ___ dry chemical

Special firefighting procedure: None
Unusual fire and explosion hazards: None

V. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure

Inhaled: Fired or sintered soda lime glass has no known health hazard.

Avoid breathing dust, and keep out of eyes.

Contact with skin or eyes: Little hazard exists, other than possible irritation.

Absorbed through skin: Not likely

Swallowed: From information available little hazard exists, however, may cause irritation.

HEALTH EFFECTS OR RISKS FROM EXPOSURE

Acute: This is a non-toxic material with a free silica (quartz) content of less than 1.0% and TLV of a nuisance particulate.

Chronic:

FIRST AID - EMERGENCY PROCEDURES

Eye Contact: Flush with plenty of water.
Skin Contact: Wash thoroughly with soap and water
Inhaled: None
Swallowed: Seek medical attention

SUSPECTED CANCER AGENT:

XX NO: This product's ingredients are not found in the he list below:

YES: XX Federal OSHA XX NPT XX IARC

California employers using Cal/OSHA - regulated carcinogens must register with Cal/OSHA.
The Cal/OSHA and Federal OSHA carcinogen list are similar.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NONE

VI. REACTIVITY DATA

Stability: XX Stable __ Unstable
Conditions to avoid:

Incompatibility (material to avoid): Hydrofluoric acid attacks glass

Hazardous decomposition products (including combustion products): N/A

Hazardous polymerization: __May occur _X_ Will not occur

VII. SPILL, LEAK AND DISPOSAL PROCEDURES

Spill response procedures (include employee protection measures).

Collect in a convenient manner, which will avoid dusting. No special precautions required.

Page 3 Brampton Glass Beads

Preparing wastes for disposal (container types, neutralization, etc).

Dispose of the material as an inert solid in a land-fill.

NOTE: Dispose of all wastes in accordance with federal, state and local regulations.

VIII. SPECIAL HANDLING INFORMATION

Ventilation and engineering controls: Exhaust to maintain levels below PEL

Respiratory protection (type): NIOSH/MSHA approved dust and/or fume respirator

Eye protection (type): Safety glasses or goggles

Gloves (specify material): Recommended/latex

Other clothing and equipment: Full body cover may be desirable with heavy dusting.