1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: POLYSTYRENE BEADS

Composition Materials Co., Inc. – 249 Pepes Farm Road - Milford, CT 06460
Phone - 203-874-6500      Fax - 203-874-6505

2. COMPOSITION/INFORMATION ON INGREDIENTS

Copolymer of styrene-divinylbenzene CAS# 009052-95-3
Styrene CAS# 000100-42-5 <0.1 - 5.0%
Water CAS# 007732-18-5

3. HAZARDS IDENTIFICATION

Solid beads. Colorless - amber. Slipping hazard.

Potential Health Effects

EYE: Solid or dust may cause irritation or corneal injury due to mechanical action
SKIN: Prolonged or repeated exposure not likely to cause significant skin irritation. Skin absorption is unlikely.
INGESTION: Single dose oral toxicity is believed to be extremely low. No hazards anticipated from swallowing small amounts.
INHALATION: At room temperature, vapors are minimal due to physical properties. Elevated temperatures may generate vapor levels sufficient to cause respiratory irritation. (styrene)
CHRONIC HEALTH EFFECTS: No specific data available. However, repeated exposures are not anticipated to cause any significant adverse effects.
EXPOSURE GUIDELINES: Styrene, monomer: ACGIH TLV is 20 ppm TWA, 40 ppm STEL, skin. ACGIH classifies as A4. OSHA PEL is 50 ppmTWA, 100 ppm STEL. The styrene PEL and STEL are in accordance with the OSHA-industry agreement dated March, 1996.
4. FIRST AID MEASURES

EYES: Flush eyes with plenty of water; mechanical effects only.
SKIN: Wash off in flowing water or shower.
INGESTION: No adverse effects anticipated.
INHALATION: Remove to fresh air if effects occur. Consult a physician.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:
FLASH POINT: N/A
Resin starts to burn in flame at 230° C. Dusts are flammable in air suspension or clouds and can cause explosions if ignited in an enclosed space.

FLAMMABLE LIMITS: N/A  LFL: N/A  UFL: N/A
Autoignition temperature: >500° C.
HAZARDOUS COMBUSTION PRODUCTS: Alkylbenzenes, vinylbenzenes, naphthalene, benzaldehydes, phenol, carbon dioxide and water. Dense smoke emitted when burned without sufficient oxygen.
EXTINGUISHING MEDIA: Dry Chemical.

FIRE FIGHTING INSTRUCTIONS: Wear positive pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Sweep up and place in appropriate disposal container. Spilled material can be a slipping hazard.

7. HANDLING AND STORAGE

HANDLING: Mechanical handling equipment can cause formation of dusts. Maintain good housekeeping. Layers of flammable dusts should not be permitted to accumulate.
STORAGE: Store in closed, properly labeled containers in a cool, ventilated area.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

RESPIRATORY PROTECTION: If respiratory irritation is experienced an approved air-purifying respirator.

SKIN PROTECTION: No precautions other than clean body-covering clothing should be needed.

EYE PROTECTION: Use safety glasses. If there is a potential for exposure to particles which could cause mechanical injury to the eye, wear chemical goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A
MELTING POINT: N/A
VAPOR PRESSURE: N/A
VAPOR DENSITY: N/A
SOLUBILITY IN WATER: Insoluble
EVAPORATION RATE: N/A
ODOR: No Odor
APPEARANCE: Colorless to amber beads.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal handling and storage conditions.
INCOMPATIBILITY: Oxidizing agents such as nitric acid attack organic copolymers under certain conditions and could result in a slightly degraded copolymer up to an explosive reaction. Before using strong oxidizing agents, consult sources knowledgeable in handling such materials.
HAZARDOUS DECOMPOSITION PRODUCTS: See Section 5.
HAZARDOUS POLYMERIZATION: Will not Occur.
11. TOXICOLOGICAL INFORMATION

See Section 3. For detailed toxicological data, call the Dow Chemical Company at 800-258-2436.

12. ECOLOGICAL INFORMATION

Not expected to be acutely toxic, but pellets may mechanically cause adverse effects if ingested by waterfowl or aquatic life. No appreciable biodegradation is expected.

13. DISPOSAL CONSIDERATIONS

Dispose as solid waste in sanitary landfill or burn in approved incinerator according to Federal, State and Local regulations.

14. TRANSPORT INFORMATION

DOT: Not Regulated. NMF CLASSIFICATION: Class 60 - Item 156200

15. REGULATORY INFORMATION

Review OSHA Std. for PPE in 29CFR 1910 Subpart I to ensure proper use for any applicable PPE.

HAZARDOUS PRODUCTS ACT INFORMATION: This product contains the following ingredients which are Controlled Products and/or on the Ingredient Disclosure List (Canadian HPA section 13 and 14):
Styrene - CAS#0001000-42-5 <0.1 - 5.0%
SARA HAZARD CATEGORY: Does not meet any hazard category.

16. OTHER INFORMATION

The information in this MSDS was obtained from sources we believe are reliable. However, it is provided without any representation or warranty, expressed or implied, regarding accuracy or correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.