

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION AND USE

- PRODUCT IDENTIFIER Expanded Polystyrene (EPS)
- PRODUCT USE Insulation, packaging, cushioning
- MANUFACTURER'S NAME Beaver Plastics Ltd.
- STREET ADDRESS 7 – 26318 – TWP RD 531A
- CITY Acheson
- PROVINCE Alberta
- POSTAL CODE T7X 5A3
- EMERGENCY PHONE NUMBER 1 888 453 5961 or 1 780 962 4381

SECTION 2 – INGREDIENTS

- 1. Approximately 99% Polystyrene, cellular expanded, containing air
- 2. Traces of Hydrogen Bromide self extinguishing additive

SECTION 3 - PHYSICAL DATA

- PHYSICAL STATE Solid
- VAPOUR PRESSURE (mm Hg) Not Applicable
- VAPOUR DENSITY (Air=1) Not Applicable
- SOLUBLE IN WATER None
- pH Neutral
- COLOR AND APPEARANCE White, or colored cellular foam board
- SPECIFIC GRAVITY .013 to .064
- ODOUR None

SECTION 4 - FIRE AND EXPLOSION DATA

- MEANS OF EXTINCTION Water, Fog, CO2, Dry Chemical (ABC)
- FLASH POINT 350 C
- EXPLOSION DATA Grinding or sawing processes may produce air suspended dust which can cause a dust explosion if ignited
- SENSITIVITY TO IMPACT None
- UPPER FLAMMABLE LIMIT Not Applicable
- COMBUSTION PRODUCTS Dense black smoke, CO, traces of hydrogen bromide
- LOWER FLAMMABLE LIMIT Not Applicable

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SECTION 5 - REACTIVITY DATA

- CHEMICAL STABILITY Temperatures above 300 C will release combustible gases
- INCOMPATIBILITY Aromatic, aliphatic hydrocarbons, esters, amines, aldehydes
- REACTIVITY None
- HAZARDOUS DECOMPOSITION PRODUCTS
Does not normally decompose. In smoldering or flaming condition, CO, CO₂, and carbon black are generated. Evolution of small amounts of hydrogen bromide when heated over 250C.
- HAZARDOUS POLYMERIZATION Does not occur.

SECTION 6 - TOXICOLOGICAL PROPERTIES

- EYE Solid or dust may cause irritation due to mechanical action
- SKIN CONTACT Mechanical injury only
- SKIN ABSORPTION None
- INGESTION Large pieces may cause choking
- INHALATION Some manufacturing processes may irritate upper respiratory tract
- SYSTEMIC & OTHER EFFECTS None known

SECTION 7 - PREVENTATIVE MEASURES

- VENTILATION Sawing or grinding may create dust, requiring local ventilation.
- RESPIRATORY PROTECTION For dusty conditions, use approved dust respirator
- SKIN PROTECTION No special precautions other than body covering clothing
- EYE PROTECTION Goggles will prevent dust and small particle eye injury
- HANDLING PROCEDURES Keep away from flame
- STORAGE REQUIREMENTS None
- SHIPPING INSTRUCTIONS None

SECTION 8 - FIRST AID MEASURES

- EYES Irrigate with water for 5 minutes (mechanical injury only)
- SKIN No adverse effects anticipated from this exposure
- INGESTION No adverse effects anticipated from this exposure
- INHALATION Remove to fresh air if irritation occurs. Consult a physician.

SECTION 9 - PREPARATION DATE OF MSDS

- PREPARED BY Quality Team
- PHONE NUMBER 1 888 453-5961
- DATE REVISED Jan 4, 2017