



7 – 26318 – TWP RD 531A • Acheson, Alberta, Canada • T7X 5A3  
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# 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, CO<sub>2</sub>, 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