

DREW FOAM Companies, Inc.

144 INDUSTRIAL DRIVE, MONTICELLO, ARKANSAS 71655
 TELEPHONE: (870) 367-6246
 FAX: (870) 367-0785
 FAX: (870) 367-2697 (sales)

MATERIAL SAFETY DATA SHEET EPS BLOCK AND BOARD

SECTION I.

CHEMICAL NAME
 CHEMICAL FAMILY
 FORMULA

EXPANDED POLYSTYRENE FOAM (EPS)
 POLYSTYRENE
 (C₈H₈)_N WITH FLAME RETARDANT ADDITIVE

SECTION II.

HAZARDOUS INGREDIENTS

NONE WHEN RESIDUAL PENTANE BLOWING AGENT IS REDUCED TO LEVEL DESCRIBED IN SECTION IX.

SECTION III.

PHYSICAL DATA

BOILING POINT

NOT APPLICABLE

SOLUBILITY IN WATER

NONE

SPECIFIC GRAVITY

APPARENT DENSITY 1.0 TO 2.0 PCF DENSITY

PERCENT OF VOLATILE BY VOLUME

(PENTANE & WATER) 0.18% (SEE SECTION IX)

EVAPORATION RATE

NOT APPLICABLE

APPEARANCE AND ODOR

RIGID CELLULAR FOAM BLOCK OR BOARD-NO ODOR

SECTION IV.

FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA

WATER, FOG, CO₂, DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES

NONE

UNUSUAL FIRE AND EXPLOSION HAZARDS

MAY EMIT LARGE VOLUME OF DENSE BLACK SMOKE

SECTION V.

HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

NONE

EFFECTS OF OVER-EXPOSURE

NONE

EMERGENCY AND FIRST AID PROCEDURES

NONE

SECTION VI.

RADIOACTIVITY DATA

STABLE

YES

INCOMPATIBILITY

NONE

HAZARDOUS DECOMPOSITION PRODUCTS

NONE

HAZARDOUS POLYMERIZATION

WILL NOT OCCUR

CONDITIONS TO AVOID

NONE

SECTION VII.

SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: NORMAL GOODHOUSEKEEPING SHOULD BE OBSERVED IN DISPOSING OF SCRAP MATERIAL.

WASTE DISPOSAL METHOD: ACCORDING TO LOCAL ORDINANCES.

SECTION VIII.

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION

NONE-MAY ACT AS OBSTRUCTION IF SWALLOWED

VENTILATION

NONE

PROTECTIVE GLOVES

NONE

EYE PROTECTION

SAFETY GLASSES RECOMMENDED TO AVOID MECHANICAL IRRITATION FROM DUST IF SAW FABRICATING

SECTION IX.

SPECIAL PRECAUTIONS

IMMEDIATELY AFTER MOLDING EXPANDED POLYSTYRENE INTO BLOCK, THE RESIDUAL BLOWING AGENT, PENTANE, ENTRAPPED WITHIN THE BLOCK RANGES FROM ABOUT 2.0 TO 3.0% BY WEIGHT. THE BLOCKS ARE THEN STORED AT ROOM TEMPERATURE OR AT AN ELAVATED TEMPERATURE (E.G., 130°F) TO REDUCE THE ENTRAPPED PENTANE AND MOISTURE TO LESS THAN 1% BY WEIGHT (0.18% BY VOLUME) FOR DIMENSIONAL STABILIZATION. THE BLOCK STORAGE AREAS MUST BE, THEREFORE, ADEQUATELY VENTILATED TO AVOID BUILDUP OF PENTANE VAPORS.

IF THE PRODUCT IN BLOCK FORM IS TO BE FABRICATED BY HOT-WIRE CUTTING, WORK AREAS SHOULD BE VENTILATED TO AVOID A BUILDUP OF PROCESSING FUMES.

