

MATERIAL SAFETY DATA SHEET EPS BLOCK AND BOARD

SECTION I.

CHEMICAL NAME EXPANDED POLYSTYRENE FOAM (EPS)
CHEMICAL FAMILY POLYSTYRENE
FORMULA (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 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 MOLD EXPANDED POLYSTYRENE INTO BLOCKS, THE RESIDUAL BLOWING AGENT, PENTANE, ENTRAPPED WITHIN THE BLOCKS RANGES FROM ABOUT 2.0 TO 3.0% BY WEIGHT. THE BLOCKS ARE THEN STORED AT ROOM TEMPERATURE OR AT AN ELEVATED 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.



DHEW

Companies, Inc.

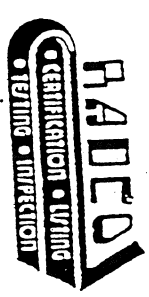
P.O. BOX 420, MONTICELLO, ARKANSAS 71655
TELEPHONE (501) 367-6245

Expanded Polystyrene Board
EPS

1.0# pcf nominal density

FLAME SPREAD CLASS 1

Flame Spread (E-84) - Less than 25
Smoke Developed (E-84) - Less than 450



LISTED #1224-1

Flame Spread and Smoke Developed ratings derived are not intended to reflect hazards under actual fire conditions.

LOT #: _____