



Material Safety Data Sheet

I. PRODUCT IDENTIFICATION

TRADE NAME: AST-115

CHEMICAL NAME: Polyurethane Foam (polyester type), flexible, impregnated with an acrylic copolymer dispersion and asphalt emulsion with polymers.

PRODUCT COMPOSITION AND STRUCTURE: The flexible polyester foam is a reaction product of toluenediisocyanate, water and a modified poly (diethylenglycol adipate) ester. The ratio of foam to polymer-modified asphalt is in the order of 1:4, 5.

II. PHYSICAL DATA

APPEARANCE, ODOR: Solid, precompressed, cellular structure, flexible, colored with impregnating medium. Slight characteristic odor.

DECOMPOSITION: 300°-350°C (570°-660°F) Decomposition Temperature

EXTRACTABLES: Water will extract, of the precompressed material, less than 0.1% by weight of the residual formulation ingredients plus low molecular weight polymers.

III. POTENTIALLY HAZARDOUS COMPONENTS

NOT WHMIS CONTROLLED

IV. FIRE AND EXPLOSION DATA

FLAMMABILITY: Material can be ignited by an open flame or by a source for smoldering ignition in combination with some material. Any reference to combustion modification refers only to small-scale laboratory tests and such ratings are not intended to reflect hazards presented by this or any other material under actual fire conditions.

IGNITION TEMPERATURE: Unknown

EXPLOSION HAZARD: Not explosive in manufactured form

EXPLOSION CONCENTRATION: Unknown

EXTINGUISHING MEDIA: Large volumes of water are required for extinguishing. ABC dry chemical may be appropriate for initial control or small volumes of impregnated foam (which would normally be the case).

V: HEALTH DATA

FIRE FIGHTING HAZARDS: Burning will produce irritating vapors and smoke, carbon monoxide, and other toxic decomposition products. Over-heating can produce a hot semi-liquid melt, which can produce contact blisters and release toxic and/or flammable vapors. Impregnated foam may tend to melt when burning forming flaming, molten product, which could cause spread of fire. Beware of smoldering re-ignition, after extinguishing, soak completely.

FROM NORMAL HANDLING: None expected in ordinary use. Polymer is essentially inert with low oral or dermal toxicity. Temperatures in excess of 135°C (275°F) encountered in any processing or other use will produce irritating or toxic fumes. Keep area well ventilated.

FIRST AID PROCEDURES: In case of overexposure to fumes, vapors or smoke, remove victim to fresh air, render breathing assistance if needed and consult a physician. In case of eye irritation from contact of fumes, vapor or smoke, flush with plenty of water or suitable eyewash for 15 minutes. Consult a physician.

VI. REACTIVITY DATA

THERMAL STABILITY: Decomposition is accelerated at elevated temperatures. Avoid temperatures greater than 135°C (275°F) for periods beyond those for processing.

INCOMPATIBILITY: Can react with strong oxidizing agents. Decomposes with strong acids or alkalies.

DECOMPOSITION HAZARDS: Burning or excessive heat will produce irritating or toxic vapors or smoke.

VII. STORAGE HANDLING AND DISPOSAL

STORAGE CONDITIONS: In original packing, can be stored indefinitely at room temperature. Avoid direct sunlight.

HANDLING CONDITIONS AND PROTECTIVE CLOTHING: Keep away from protracted contact with open flame or other non-processing sources of ignition. Maintain good housekeeping. Protective gloves should be worn when cutting material with hot knife. Avoid direct inhalation of combustion fumes and perform cutting procedures in well-ventilated area.

WASTE DISPOSAL: No known hazardous waste product is produced. Observe good housekeeping and clean-up site after use. Dispose of in an approved landfill or incinerate in accordance with applicable Federal, State (Provincial) and local regulations.

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