



# Material Safety Data Sheet

## I. PRODUCT IDENTIFICATION

**TRADE NAME:** IST-140

**CHEMICAL NAME:** Polyurethane Foam (polyester type), flexible, impregnated with an acrylic ester-styrene copolymer and aqueous polybutylacrylate dispersion.

**PRODUCT COMPOSITION AND STRUCTURE:** The flexible polyester foam is a reaction product of toluenediisocyanate, water and a modified poly (diethylenglycol adipate) ester.

## 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 alkalis.

**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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**CONTACT:**

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