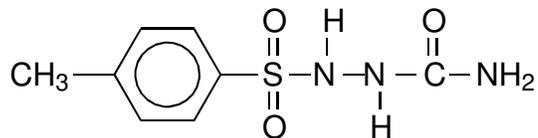


CELOGEN[®] RA
Chemical Foaming Agent



p-toluene sulfonyl semicarbazide

FORM:	White powder
SPECIFIC GRAVITY:	1.44 at 25 °C (77 °F)
DECOMPOSITION POINT:	228 °C (442 °F) min.
GAS YIELD:	140 cc/gram
DECOMPOSITION GASES:	N ₂ , CO ₂ , CO
ACTIVATED BY:	Strong – treated urea (BIK [®] OT) Moderate – barium stearate, calcium stearate, zinc stearate and zinc oxide.
DISCOLORATION:	Non discoloring; decomposition residue is white.
RECOMMENDED USES:	High temperature cures. Extruded closed cell automotive profiles, plus nylon and other plastics.
SOLUBILITY:	Soluble in DMSO, DMF, aqueous bases. Insoluble in water, toluene and acetone.
STORAGE STABILITY:	Store in a cool, dry place in closed containers. Keep away from heat, sparks, and open flame. Separate from combustible storage by 2.4 m (8 ft) aisles or isolate in detached building. Do not store over 1.2 m (4 ft) high unless sprinklers are hydraulically designed to produce a density of 29 L/sec·cm ² (0.5 gpm/sq. ft) over the entire area of the building.
HANDLING PRECAUTION:	Avoid prolonged or repeated contact with skin. Keep out of eyes. FLAMMABLE SOLID. Minimize dusting, insure good ventilation and good housekeeping.