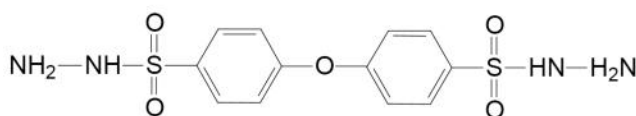


Monday, May 20, 2013  
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## CELEX OB

### Technical Data Sheet



4, 4' - Oxybis (benzenesulfonylthrazide)

[CAS No.: 80-51-3]

<b>Product</b>	4, 4' - Oxybis (benzenesulfonylthrazide)	
<b>Chemical Formula</b>	C <sub>17</sub> H <sub>14</sub> N <sub>4</sub> O <sub>5</sub> S <sub>2</sub>	Mol Wt.=358
<b>Gas Content</b>	Mostly Nitrogen	
<b>Appearance</b>	White Powder	
<b>Purity</b>	96.0% min	
<b>Average particle size</b>	5 ~ 7 µm	
<b>Moisture Content</b>	0.5% max	
<b>Decomposition Temp.</b>	158 ~ 164 °C	
<b>Gas Evolution</b>	125 ~ 140 ml/gm @ S.T.P.	
<b>pH</b>	6 ~ 8	
<b>Solubility</b>	Soluble in DMSO and DMF. Insoluble in benzene and water.	

#### APPLICATION:

Celex OB is outstanding non-staining, non-discoloring, non-toxic, odorless, nitrogen releasing foaming agent for the production of both cellular rubber and expanded plastics. Celex OB is a relatively low temperature foaming agent for sponge rubber and expanded plastic which require fine, uniform, closed cell structure. Among the latter, PE, PVC, EPOXY, TPR, and PHENOLIC resins are currently expanded on a commercial scale with Celex OB. Celex OB can also be used in the production of thermal insulation materials using a blend of synthetic rubber and thermoplastics, NBR-PVC. Celex OB produces ammonia-free gas by thermal decomposition making it safe to use in cellular cable insulation. Furthermore, Celex OB has no effect on the cure of rubber or the stability of PVC.

#### ACTIVATED BY:

Very strong activators include treaded urea (Acticell U), triethanolamine and peroxides. Moderate activators include calcium oxide, calcium stearate, stearic acid, cadmium and lead type vinyl stabilizers. Weak activators include adipic acid, benzoic acid, salicylic acid, citric acid, lead stearate and zinc stearate.

#### SOLUBILITY:

Insoluble in water. Soluble in strong acids and bases. Reacts with ketones.

#### STORAGE STABILITY:

Store in a cool, dry place in closed containers. Keep away from heat, sparks, and open flames. Separate from combustible materials.

**HANDLING PRECAUTIONS:** Normal handling precautions should be observed. Minimize dusting. Good ventilation. Good housekeeping. **FLAMMABLE SOLID.**

#### PACKAGING:

25 Kgs net paper box with PE Liner.

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