

GENERAL DESCRIPTION:

A sulfide functional organic adhesion promoter synthesized using a **STABILIZED BIMETAL PRECURSOR**. The product is supplied in a solvent carrier consisting of ethylene glycol and 2-butoxy ethanol to aid in rapid dispersion and solubilization of the active component in polymer matrices.

PHYSICAL PROPERTIES:

Physical form	Clear liquid
Color	Pale yellow
Metal content (Total %)	4.3 - 4.5
Complexed organics	6.9 - 7.1
Specific gravity (g/ml)	1.10
pH (2% soln)	4.2
Active matter (wt %)	23.5
Solvent	2 butoxyethanol/ ethylene glycol
Organofunctionality	sulfide

APPLICATION:

(1) Elastomers: Recommended for mineral filled (silica, etc.) or carbon black pigmented elastomers at 1.0 - 3.0 phr to **improve abrasion resistance** and other physical properties - tensile and tear strength. Chartwell B-600 also improves vulcanization and **reduces scorch problems** of all sulfur-cured elastomers. Incorporation during compounding improves adhesion of other rubber and synthetic materials to the molded rubber surface.

(2) Adhesives: Recommended for epoxy and urethane adhesives to enhance adhesion to metals, plastics, and elastomers. Increased T-peel strength. Improved resistance to moisture, heat and corrosive environments.

PROCEDURE:

Addition to the grind stage with high shear mixing is strongly recommended. **Must be high shear mixed with a Cowles type mixer. Milling alone is not sufficient.**

It is recommended that evaluation be conducted at both 1.0 and 2.0 phr (parts adhesion promoter on polymer solids.) See **Chartwell Use Procedure** bulletin.

