

WESTON™ 430 phosphite

Phosphite Antioxidant

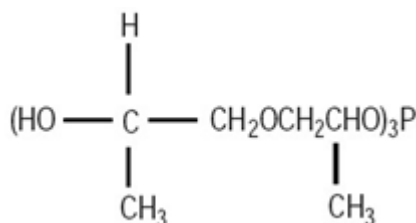
Description

WESTON™ 430 phosphite is a specialty alkyl phosphite. It has a hydroxyl number of 395 mg KOH/gm. It is an effective heat, color, and viscosity stabilizer for a variety of polymers including polyester fibers and polyurethanes.

Chemical Structure

Tris (dipropyleneglycol) phosphite C₁₈H₃₉O₉P

Chemical Abstract Number: 36788-39-3



Typical physical properties of WESTON™ 430 phosphite

Appearance	Clear liquid
Specific Gravity @ 25°C - 15.5°C	1.088-1.098
Formula Weight (g/mol)	430
Color (Pt - Co)	50 max.
Acid No. (mg KOH/g)	0.20 max
Refractive Index @ 25°C (77°F)	1.4600 - 1.4635
Viscosity [cps @ 38°C (100°F)]	42.2
Phosphorus Content (%)	7.2
Density(lb/gal @ 25°C) (g/ml @ 25°C)	9.1 1.09
Vapor Pressure @ 10 mm Hg	145°C (293°F)
Flash Point (Pensky-Martens Closed Cup)	118°C (245°F)

Storage and Handling

The product may be stored at least one (1) year in sealed containers. Containers should be stored in a cool, dry area. Extended storage at elevated temperatures or exposure to direct heat could decrease product shelf life. Containers should be kept sealed when not in use. If stored outside in cold weather, the drums should be warmed to facilitate pouring. Open drums should be used as soon as possible (within a maximum of 4 months) to avoid hydrolysis, especially during humid weather.

For additional handling and toxicological information consult the SI Group Material Safety Data Sheet.