WESTON™ 705T phosphite

Liquid Phosphite Antioxidant

Description

WESTON™ 705T phosphite is a versatile phosphite stabilizer. It is useful in a variety of polymer applications such as HDPE, LLDPE, SBR, NBR, SBC, SBS, ABS, PVC and others. Based on proprietary chemistry, it has been designed to replace TNPP in those instances where a TNPP alternative is sought.

Chemical Structure

Proprietary

Chemical Abstract Number: Proprietary

Typical physical properties of WESTON™ 705T phosphite

Appearance	Colorless liquid free of particulates
Phosphorous %	5.0
Assay	>98%
Specific Gravity @ 25°C/15.5°C	1.004-1.035
Acid No. (mg KOH/g)	<0.5
% TIPA	0.2%

Solubility g/100g solvent @ 20°C

Water	<0.5	Acetone	>100
Ethanol	>100	Squalane	<0.5
Cyclohexane	>100		

Thermogravimetric Analysis (10mg @ 10°C/minute under N_2)

Weight Loss %	5	10	25
Temperature °C	293	310	353

SI Group Inc., 1790 Hughes Landing Blvd., Suite 600 The Woodlands, TX 77380 PH: 518.347.4200 www.siigroup.com

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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.

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