

WESTON[®] 705 phosphite

Liquid Phosphite Antioxidant

Description

WESTON[®] 705 phosphite is a versatile phosphite stabilizer. It is useful in a variety of polymer applications such as HDPE, LLDPE, Elastomers, ABS, and PVC. 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[®] 705 phosphite

Appearance	Colorless liquid free of particulates
Phosphorous %	5.2
Assay	>98%
Specific Gravity @ 25°C/15.5°C	1.004-1.035
Acid No. (mg KOH/g)	<0.5

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 N₂)

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

The information contained herein relates to a specific Addivant[™] product and its use, and is based on information available as of the date hereof. Additional information relating to the product can be obtained from the pertinent Material Safety Data Sheets. Nothing in this Technical Data Sheet shall be construed to modify any of Addivant[™] standard terms and conditions of sale under which the product is sold by Addivant[™]. NOTHING IN THIS TECHNICAL DATA SHEET SHALL BE CONSTRUED TO CONSTITUTE A REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, REGARDING THE PRODUCT'S CHARACTERISTICS, USE, QUALITY, SAFETY, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND ANY AND ALL SUCH REPRESENTATIONS AND WARRANTIES ARE HEREBY EXPRESSLY DISCLAIMED. Nothing contained herein shall constitute permission or recommendation to practice any intellectual property without the permission of the owner.

Addivant[™] and the Addivant[™] logo are trademarks of Addivant[™] Corporation or one of its subsidiaries.

Copyright © 2013 Addivant[™] Corporation. All rights reserved.

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 Addivant[™] Material Safety Data Sheet.

The information contained herein relates to a specific Addivant[™] product and its use, and is based on information available as of the date hereof. Additional information relating to the product can be obtained from the pertinent Material Safety Data Sheets. Nothing in this Technical Data Sheet shall be construed to modify any of Addivant[™] standard terms and conditions of sale under which the product is sold by Addivant[™]. NOTHING IN THIS TECHNICAL DATA SHEET SHALL BE CONSTRUED TO CONSTITUTE A REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, REGARDING THE PRODUCT'S CHARACTERISTICS, USE, QUALITY, SAFETY, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND ANY AND ALL SUCH REPRESENTATIONS AND WARRANTIES ARE HEREBY EXPRESSLY DISCLAIMED. Nothing contained herein shall constitute permission or recommendation to practice any intellectual property without the permission of the owner.

Addivant[™] and the Addivant[™] logo are trademarks of Addivant[™] Corporation or one of its subsidiaries.

Copyright © 2013 Addivant[™] Corporation. All rights reserved.