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RUBBER CHEMICALS
-ANTIOXIDANTS-
NON-STAINING

ANTIOXIDANT BHT
2,6-DI-TERT-BUTYL-PARA-CRESOL
(BUTYLATED HYDROXYTOLUENE)

DESCRIPTION/APPLICATION:

Antioxidant BHT is intended for industrial use and can be used as a stabilizer (antioxidant) in rubbers, elastomers, polymeric materials (polyolefins, polyurethanes, polyvinyls, polyesters), packaging materials, waxes, insecticides, synthetic lubricants, paints, etc. even in presence of trace metals. Akrochem Antioxidant BHT helps to protect polymers against the effect of heat and oxygen during drying operations, reduces the danger of cyclization during storage and processing and also helps to protect vulcanizates against autoxidation. It is resistant to hydrolysis. Akrochem Antioxidant BHT is also effective in plastics such as ABS, EVA, PP, LDPE, HDPE, HDPE, HIPS, Polyamide, Polycarbonate and Polyurethanes. Akrochem Antioxidant BHT is soluble in most hydrocarbon solvents. It is insoluble in water. However, it may be easily emulsified. Because of its high reactivity with free radicals, BHT also makes an efficient peroxide retarder as it removes the initial peroxide radicals formed and thus slows time to scorch. TAC or acrylic resin may be added to overcome the slower/lower cure caused by the BHT.

TYPICAL PROPERTIES:

Appearance .....white crystals
Ash .....12 ppm
Purity.....100%
Specific Gravity 1.03

USAGE:

NBR, Emulsion SBR & Emulsion BR.....1.0 - 1.5 phr
Solution SBR & BR.....0.5 - 2.0 phr
Other Polymers .....0.5 - 2.0 phr
As Peroxide retarder: .....0.25 - 0.5 phr

SAFE HANDLING:

Observations during manufacture and handling BHT have shown no evidence of dermatitis or other toxic effects. The usual precautions for handling chemicals, as eye protection and avoidance of contact, should be exercised. Good personal hygiene should be practiced.
Antioxidant BHT complies with the FDA regulations set forth in CFR 21 section 177.2600, Rubber Articles Intended for Repeated Use.

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