



## **Pentotard – PVI**

<b>Composition</b>	:	N-(Cyclohexylthio) phthalimide
<b>Specification</b>	:	Color : Off White to White
	:	Appearance : Crystalline Powder
	:	Melting Point : 90 – 95 °C
	:	Ash content : 0.5 % Max
	:	Heat Loss : 0.5 % Max

**Dosage** :  
• 0.5 – 1.5 phr

### **Uses and Benefits :**

- Pentotard – PVI is an ideal pre vulcanization (scorch) inhibitor for NR, IR, NR-BR blend, SBR, NR-SBR, SBR-BR blends, NBR, CR and other diene rubber based accelerated sulphur cured compounds
- Pentotard – PVI is an effective scorch inhibitor with almost all types of accelerators and in all types of sulphur cured diene rubber based compounds.
- Pentotard – PVI offers linear and predictable response and is most sensitive to sulphenamide accelerated stocks and highly unsaturated rubbers.
- Pentotard – PVI can be used effectively in compounds based on NBR/PVC blends, polyacrylic rubbers and sulphur cured polyurethanes.
- Pentotard – PVI is most effective at sulphur dosages between 1.5-3.0 phr and it is not effective with organic peroxide, PF resin and metal oxide cures.
- Pentotard – PVI does not cause any detrimental effect on the vulcanizate properties such as tensile strength, modulus values, and resilience / heat build up, compression set or permanent set, ozone resistance and hot air aged vulcanizate properties when used at optimum dosage.
- Pentotard – PVI does not cause contact or migration staining but can slightly discolor bright white rubber products.
- Pentotard – PVI can permit addition of curatives at an early stage of mixing for better dispersion of curatives, reduced mixing cycle time, reduced power consumption, reduced labor and capital investment costs.
- Pentotard – PVI use of higher processing speeds and temperatures during mixing, calendaring, extrusion, etc. for increased productivity and reduced processing cost.
- Pentotard – PVI use of higher injection temperatures and shorter cure cycles for increased productivity.
- Pentotard – PVI recovery of rubber compounds with marginal processing safety and recovery of partially scorched compound for scrap elimination.
- Pentotard – PVI improve the storage stability of fully compounded stocks at ambient temperatures.

**Packing** : 25kg Polylinedpolywoven bag / Polylined paper bag.

**Storage stability** : Up to 1 year in normal storage conditions.

**Handling** : Consult material safety data sheet (MSDS) for additional handling information for Pentotard – PVI.

### **PUKHRAJ ADDITIVES LLP**

*An ISO 9001:2008 Certified Company*

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