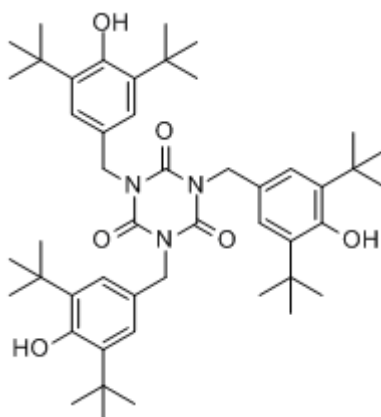


PUREstab 3114

Phenolic Antioxidant for Processing and Long-Term Thermal Stabilization

Description **PUREstab 3114** is a highly effective, non discoloring stabilizer for organic substrates such as polymers, synthetic fibers, elastomers, adhesives, waxes, oils and fats. **PUREstab 3114** protects these substrates against thermo-oxidative degradation and contributes to their light stability.

Chemical Structure



Chemical name 1,3,5-Tris(3,5-di-tert-butyl-4-hydroxybenzyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione

CAS number 27676-62-6 **Molecular weight** 784 g/mol

Features & benefits **PUREstab 3114** has good compatibility with most substrates, high resistance to extraction, and low volatility. It can be used in combination with other additives such as costabilizers (e.g. thioethers, phosphites, phosphonites), light stabilizers and other functional stabilizers

Application It is applicable to the ABS resin, polyester, polypropylene, polyethylene, polystyrene, polyurethane, Nylon, PVC, cellulose, plastics, adhesive and synthetic rubber. It is also effective in oil and paint.

The concentration levels of **PUREstab 3114** for polyolefins range typically between 0.05% and 0.3% depending on substrate, processing conditions and longterm thermal stability requirements. The optimum level is application specific.

Handling & Safety In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid continuous or repetitive breathing of dust. Use only with adequate ventilation. Avoid dust formation and ignition sources. For more detailed information please refer to the material safety data sheet.

Storage This product may be stored up to two years in a sealed container. Containers should be kept tightly closed when not in use and stored in a cool, dry place.

TECHNICAL DATA SHEET

Polygel Product Management

Email: info@polygelbrunei.com



Physical Properties

Product form	White free flowing powder
Melting range	218 – 223°C
Flashpoint	289°C
Specific gravity (20°C)	1.03 g/ml
Bulk density (g/l)	530 -630 (powder), FF 480 - 570 (FF)
Solubility (20°C) g/100g solution	
- Acetone	29
- Chloroform	21
- n-Hexane	0.6
- Methanol	0.5
- Ethanol	1.5
- Water	≤ 0.01

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November, 2019