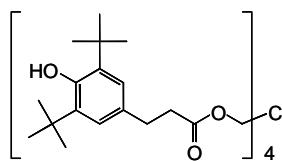June 1, 2009

ADK STAB A-611
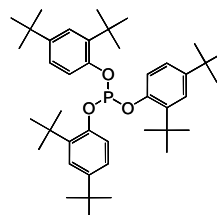# ADK STAB A-611RG
― Antioxidant blend system―

Identification

This product is a mixture of phenolic antioxidant and phosphite as following.

Trade name	COMPONENT	%	CAS No.
ADK STAB AO-60	Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis[[3-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]methyl]-1,3-propanediyl ester	50	6683-19-8
ADK STAB 2112	Phenol, 2,4-bis(1,1-dimethylethyl)-, phosphite (3:1)	50	31570-04-4

ADK STAB AO-60

ADK STAB 2112

Features

- ADK STAB AO-60 is the most common hindered phenolic antioxidant which shows very low volatility and excellent retention within the polymer due to high molecular weight.

- ADK STAB 2112 is a very common phosphite which exhibits the most excellent hydrolytic stability among commercial phosphites and shows low volatility and excellent retention within the polymer.

- Highly protects polymers against thermal degradation during/after processing and provides long-term heat stabilization for the life time of the article due to the synergistic effect of ADK STAB AO-60 and ADK STAB 2112.

- Approved as an indirect additive in food contact substances in US, EU, and Japan. Potential application is food packaging. (For additional information such as kind of adaptable polymers, please ask our Sales Department.）

Applications

- Polyolefins such as PP and PE
- Styrene resins such as PS and ABS
- Engineering plastics such as PA, etc.

Physical and chemical properties

- Appearance   A-611 : White powder

                                  A-611RG : White granule and powder

- Melting point   110 -190 °C

  * Above value of properties are just typical, not specific

Handling and storage

- Phosphites tend to be hydrolyzed when exposed to humidity. Store in the original container securely under cool and dry conditions.
- Protective clothing should be worn when operators are handling, or being exposed to, this product. See the MSDS for further detailed advice.

ADEKA