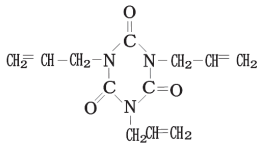
TriallyI isocyanurate(TAIC)

Formula: $C_{12}H_{15}N_3O$

Chemical structure:



Molecular Weight: 249.27

CAS#: 1025-15-6

Solubility:

Insoluble in water, slightly dissolved in alkane, and completely dissolved in aromatic hydrocarbon, alcohol, acetone, hydrocarbon halides, eyclopentene hydrocarbon.

Toxicity:

LD50 = 660mg/kg (Laboratory tested)

Usage:

As a kind of multifunctional alkenes monomer with aromatic heterocycle, TAIC is widely used as the cross-linking agent, modifier and assistant vulcanizer of thermoplastics, ion exchange resin and special rubber. It is also an intermediate of photo assimilating coating, photo resists and flame retardant.

Package and Storage:

Packed in metal drum or plastic drum, Net weight is 200 or 25kg. or Packed in 25kg per kraft paper bag. Stored and transported as safe goods. Avoid high temperatures.

Specification:

Products	TAIC-A	TAIC-B	TAIC-P
Grade	Refined	Normal	Powder
Appearance	Clear liquid or crystal	Clear liquid or crystal	White powder
Hue(Pt-Co)	< 50	< 150	/
Active content	≥ 98.5%	≥ 95%	65%-67%,
Acid val.(mgKOH/g)	≤ 0.2	≤ 0.3	/
Melting point	24-26	17-21	/
Viscosiity(30℃)	83+3cps	81+5cps	/
Spec.Gravity	1.15-1.17	1.10-1.17	/
Moisture(%)	< 0.1	< 0.1	< 0.1
Bulk density(g/cm3)	/	/	0.38-0.48
PH	/	/	6.0-7.0

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