

Technical information

TRIMESIC ACID

Synonyms:	benzene-1,3,5-tricarboxylic acid; trimesinic acid		
CAS number:	554-95-0	EINECS number:	209-077-7
Formula:	[C ₉ H ₆ O ₆]	Molecular weight:	210.14
HTS number.:	2917399090	TSCA	

SPECIFICATION

		TYPICAL VALUES
Appearance	white crystalline powder	white crystalline powder
Purity (wt%)	≥ 99	99.4
Acid value (mg KOH/g)	780-800	785
Moisture (%)	≤ 0.5	0.48

PROPERTIES

Flash point	328°C	
Auto ignition point	650°C	
Melting point °C:	350	
Solubility:	water:	slightly
	acetone:	complete
	dimethylformamide:	complete
	cyclohexanone:	complete

PACKING

100 kg drums
big bags with 500 or 1,000 kg

HEALTH & SAFETY, SHIPPING

Classification RID/ADR	X _i -Irritant
Codes / markings	R 36/37/38 S 26-36/37/39



APPLICATIONS

- saturated polyester resins for powder coatings, electro deposition and wire enamels, baking varnishes
- polyimide resins with high thermal and mechanical stability
- water soluble polyurethane resins
- water soluble amino-alkyd resins
- curing agent for epoxy resins
- lube oil esters
- high temperature PVC plasticizers
- adhesives and sealants
- intermediate for germicides, fungicides
- cross linking of solid fuel rocket propellants
- rare earth metal extraction

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