

REVISED DATE: 01 JANUARY 2011

1. SUBSTANCE AND COMPANY UNDERTAKING

PRODUCT NAME: TMA, TRIMELLITIC ANHYDRIDE
SUPPLIER: INNUEA PETROCHEM LTD
STREET ADDRESS: PO BOX 3069, ROAD TOWN, TORTOLA, BRITISH VIRGIN ISLANDS
TEL: +1 284 495 0244 FAX: +1 284 495 0245

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAMES: TRIMELLITIC ACID CYCLIC 1,2-ANHYDRIDE; ANHYDRO TRIMELLITIC ACID; 1,2,4-BENZENETRICARBOXYLIC ACID CYCLIC 1,2-ANHYDRIDE; 1,2,4-BENZENETRICARBOXYLIC ANHYDRIDE; 4-CARBOXYPHTHALIC ANHYDRIDE; 1,3-DIOXO-5-PHTHALAN CARBOXYLIC ACID;

PREPARATION USE: USED TO PRODUCE POLYESTER RESIN, POLYAMIDE RESIN, WATER-SOLUBLE ALKYD RESIN, AND WATER-SOLUBLE POLYURETHANE RESIN. ALSO USED AS A PLASTICISER AND A CURING AGENT FOR EPOXY RESIN. USED IN AEROENGINE AND ELECTRIC CAPACITOR OILS, AS A BINDER AND SMOKE SUPPRESSOR.

CONTENT (W/W): > = 98.0%; IMPURITIES: <0.1%

CAS NUMBER: 552-30-7
EINECS NUMBER: 209-008-0
REACH REFERENCE NUMBER: 02-2119787953-18-0000

MOLECULAR FORMULA: C₉H₄O₅ MOLECULAR WT: 192.13

3. SALES SPECIFICATION (PHYSICAL AND CHEMICAL PROPERTIES)

ITEM	UNIT	TEST METHOD	SPECIFICATION
Appearance		VISUAL	WHITE FLAKES
Acid Number	mg/KOH/g	ASTM D1045	876.00
Anhydride Content	wt%	ASTM D3465	98.34 Minimum
Melting Point	°C		164 Minimum
Molten Colour	APHA		110
PA (PPM)			45
BTCA (PPM)			10