

TAC (Triallylcyanurate)

PRODUCT INFORMATION

2,4,6-triallyloxy-1,3,5-triazine

Appearance: Colorless, clear liquid or solid

Molecular formula: C₁₂H₁₅O₃N₃

CAS-No.: 101-37-1

REACH-No.: 01-2119489756-17-0001

EC-No.: 202-936-7

Commercial form:

	Grade	Assay	Stabilizer	
TAC S-Grade	Standard	>99.0 %	MEHQ	90-120 ppm
TAC T-Grade	T1200	>99.0 %	TBHQ	1000-1400 ppm
TAC O-Grade	Optical	>99.5 %	MEHQ	90-120 ppm
TAC R-Grade	Rubber	>98.0 %	MEHQ	90-120 ppm

Chemical and physical properties:

Molecular weight: 249.27 g / mol
 Density: 1.11 g / cm³ (30 °C) Method: DIN 51757
 Melting point: 27 °C
 Initial boiling point: 156 °C (3 hPa) Decomposition
 Flash point: 175.5 °C (1.013 hPa)
 Method: Tested according to Directive 92 / 69 / EEC
 Vapour pressure: < 0.001 hPa (25 °C) Method: OECD Test Guideline 104
 bulk weight: 600 - 800 kg / m³ granules
 500 - 800 kg / m³ powder
 Water solubility: 0.31 g / l (20 °C)
 Partition coefficient
 n-octanol/water: log Pow: 2.8 (20 °C) Method: OECD Test Guideline 107
 Viscosity, dynamic: 13 mPas (30 °C) Method: DIN 51562
 Surface tension: 52.9 mN / m (20 °C)

Packaging and transport

Can, 30 kg
 Drum, 200 kg
 IBC/Bulk, 1000 kg

Storage:

Store cool and dry. Keep away from moisture, fire and UV radiation.

Applications:

TAC-Applications

	System	Applications	TAC increases...
Plastics	PE	Cable insulation	Heat-, UV-resistance
	PMMA	Transparent parts, Optical Applications	Transparency, UV-Stability
	Polyacrylates	Transparent parts	Scratch resistance
	PA	various	Heat-, UV-resistance
	PBT	various	Anti-Aging
	PVC	Foils and Parts f. Automotive	
Rubber	EPDM	Sealings, gaskets	control of Polymerisation Elasticity
	HNBR	Cable insulation, belts	
	TPE	various	Modification of Phys. Properties
	FKM	Chemical and heat resistant Parts like gasket	Chemical resistance
	EVA	Glue, UV-Hardening Coating	UV-Resistance

**Transport
Classification:**

- UN 3077
- Transport hazard class(es) ADN, ADR, IMDG, IATA 9
- Packing group ADN, ADR III
- Hazard label 9

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