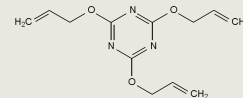


## TAC OPTICAL GRADE



## GENERAL INFORMATION

<b>Synonyms</b>	2,4,6-Triallyloxy-1,3,5-triazine
<b>CAS-No.</b>	101-37-1
<b>EINECS-RN.</b>	202-936-7
<b>UN-No.</b>	3077
<b>Molar Mass</b>	249.27 g/mol
<b>Description</b>	colourless crystals or liquid
<b>Packaging</b>	Plastic bucket (30 kg), steel drum (200 kg), bulk container (1 t) heated tank container (15 t)

## SPECIFICATION

Property	Value	Unit	Method
Purity	min 99,5	%	GC-Determination
Solidification point	min 26.0	°C	Temperature measurement
Colour (APHA)	max 50		Colourimetric determination

## PHYSICAL AND CHEMICAL DATA

Property	Value	Unit
Melting point	27	°C
Boiling point at 3 hPa	149 - 150	°C under decomposition
Density at 30 °C	1.113	g/cm <sup>3</sup>
Viscosity at 30 °C	12.9	mPa/s
Vapour pressure at 100 °C	1.3	mbar
Flash point	166 - 170	°C
solubility in water	0.05 g/ 100	g
In most of typically used solvents	soluble	

Safety data, transport regulations and toxicological data are indicated in the safety data sheet.

## PROPERTIES

TAC is a trifunctional monomer which can easily polymerize especially in the presence of peroxide catalysts. It is readily hydrolysed by mineral acids to give allyl alcohol and cyanuric acid. Also in stronger alkaline medium it is decomposed easily.

## STABILIZATION

Our TAC qualities are stabilized with a hydroquinone derivate. For crosslinking of high melting polymers an increased stabilizer content is necessary (TAC optical grade E 1200).

## APPLICATION

TAC is used as coagent in peroxide crosslinking of elastomers like HNBR, EPM, EPDM, EVA, CR, TPE's and of thermoplasts like PE and PVC. It can also be employed as coagent for electron beam crosslinking of PE and TPE's. TAC increases the crosslinking density, leads to lower compression set and improved aging properties. Typical products are pipes and hoses, sealings, damping materials, cable coatings, electrical components, foams and shoe soles.

## HANDLING AND STORAGE

TAC has a low acute toxicity. For handling regular personal protection equipment is recommended (for details see our MSDS). If the material has to be remelted we recommend to use a water bath with a maximum temperature of 50°C. Also drying chambers can be used, if the temperature is controlled carefully. Store under cool (<40°C) and dry conditions. Although the material is stabilized, we recommend to use TAC within 18 months. After longer storage times an increase in oligomeric material can be obtained.

### Disclaimer

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

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