

**Flame retardant for polymer**

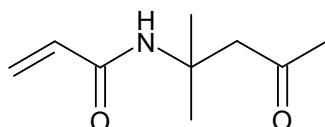
**Flame retardant**

## 1. General

TY CHEM TY501 is used for water borne coating, textile treatment, paper treatment, photosensitive resins, hair sprays, adhesives, crosslinking agents, resin modifiers.

## 2. Properties

Structure



CAS name	:	N-(1,1-Dimethyl-3-Oxobutyl)-Acrylamide
CAS no.	:	2873-97-4
Molecular formula	:	C <sub>9</sub> H <sub>15</sub> NO <sub>2</sub>
Molecular weight	:	169.2

## 3. Physical Data

Appearance	:	white to slightly yellowish crystal
Odor	:	Odorless
Boiling point	:	N/A
Melting range	:	57 °C
Specific gravity(60 deg C):		0.998
Boiling point(8 mmHg)	:	120 deg C
Viscosity(60 deg C)	:	17.9 M Pa•s
Flash point(open cup)	:	126 deg C
Solubility in water(25 deg C):		>100 g/100g

## 4. Specification

Appearance	:	White crystal
Melting point	:	57 °C
Purity(wt%)	:	99 min (Specification)/ 99.61(Typical Result)
Acrylamide(wt%)	:	0.1 max(Specification)/0.01(Typical Result)
Moisture(wt%)	:	0.3 max(Specification)/ 0.07(Typical Result)
Remarks total inhibitor (ppm):		100 max(Specification)/ 20(Typical Result)