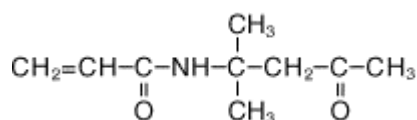


Product Data Sheet

DIACETONE ACRYLAMIDE(DAAM)

Diacetone acrylamide (DAAM) is a chemical compound that is part of the acrylamide family. It is often used as a monomer in the synthesis of polymers and copolymers, primarily for applications in adhesives, coatings, and other materials. Waterborne coating dryable by crosslinking at room temperature.



CAS No	:2873-97-4
TSCA	:2873-97-4
EINECS	:220-713-2
ENCS	:2-1024

Features

- Diacetone acrylamide readily polymerizes and forms copolymers with a wide variety of comonomers
- Diacetone acrylamide reacts with ketone group of adipic acid dihydrazide at normal temperature.
- Polydiacetone acrylamide has high water absorption.

Applications

- Waterborne coatings(room temperature crosslinking)
- Textile treatment
- Paper treatment
- Photosensitive resins
- Hairsprays
- Adhesives
- Crosslinking agents
- Resin modifiers
- Acrylic Monomer

Properties

Appearance	White to slightly yellowish flake powder
Formula	C ₉ H ₁₅ NO ₂
Mol. weight	169.23
Specific gravity (60°C)	0.998

Melting point	56°C
Boiling point	120°C (8 mm Hg)
Solubility in water in organic solvents	>100g/100g H ₂ O Miscible
Tg (homo-polymer)	77°C (DSC)
Viscosity (60°C)	17.9 m Pa·s

Copolymerization

M1	M2	r1	r2	Q1	e1	Q2	e2
Styrene	Diacetone acrylamide	1.77 ±0.08	0.49 ±0.06	1.00	-0.80	0.42	-0.42
Methyl methacrylate	Diacetone acrylamide	1.68 ±0.06	0.57 ±0.03	0.74	0.04	0.41	-0.02

Packing

20-kg cardboard box