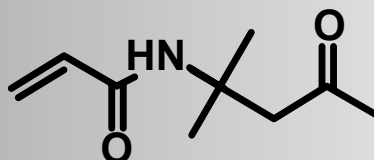


## Diacetone Acrylamide (DAA)

Formula:



Structural formula:



Mol. weight: 169.18

### SYNONYMS:

CAS : 2-Propylenamide, N-(1,1-dimethyl-3-oxobutyl)  
Acrylamide, N-(1,1-dimethyl-3-oxobutyl)  
CAS RN: [2873-97-4]  
German: Diacetoneacrylamid

### HANDLING:

Packing: Fibre-drums of 50kg net  
Fibre-drums of 20kg net listed  
TSCA: listed  
MITI: 2 - 1024  
EINECS: 220-713-2

### SPECIFICATION RL-D 2050/06:

Description: white to slightly yellowish solid DAA

Identity:

Melting point: 55 – 58 °C

pH (20 % in H<sub>2</sub>O): 4.0 - 8.0

Colour number of the solution

(5g in 20 ml 2-Propanol):

max. 100 APHA

Water (K.F.): max. 0.3 %

Hydroquinone-  
monomethylether: max. 50 ppm

Assay (GC-area%):

Acrylamide: max. 0.09 %

Toluene: max. 0.2 %

tert. Butylacrylamide: max. 0.6 %

Diacetone acrylamide: min. 99.0 %

### APPLICATIONS:

Homopolymers and copolymers  
(with high moisture and gas transmission rates):

- Adhesives
- Coatings
- Resins
- Cosmetics
- Treatment of fibres and textiles
- Photosensitive materials.

### OTHER PROPERTIES:

Autoignition  
temperature: 375 °C (DIN 51794)