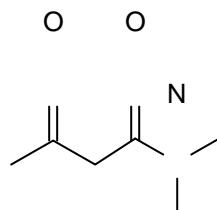


N,N-Dimethylacetoacetamide (approx. 80% in water)

Formula: $C_6H_{11}NO_2$

Structural formula:



Molecular weight: 129.16

Synonyms

CAS: Acetoacetamide, N,N-dimethyl-
Butanamide, N,N-dimethyl-3-oxo-
CAS RN: 2044-64-6
Other names: Acetoacetdimethylamide
N,N-Dimethylacetylacetamide
1-Dimethylcarbamoyl-2-propanone
N,N-Dimethyl-3-oxobutyramide
German: N,N-Dimethylacetessigsäureamid
French: N,N-Diméthylacétoacétamide
Italian: N,N-Dimetilacetoacetamide

Applications

Intermediate for the manufacture of insecticides, e.g. dicrotophos.
Copromoter for unsaturated polyester resins.

Specifications

Appearance: liquid
Colour: colorless to yellow
max. 350 (APHA)
Assay: 79.0 - 83.0% (calculated)
Dimethylamine: max. 0.05% (area) (GC)
Iron: max. 3 mg/kg (ICP-OES)

Typical Properties

Stability: 6 months
Product darkens with time
Use the product soon after delivery
Boiling point : 106 - 108°C
Density: approx. 1.06 g/cm³ (20°C)
Viscosity: 7.0 mPa*s (20°C)
Refractive index: 1.435 - 1.438 (20°C)
pH-value: 6 - 8
Flash point: > 100°C (Pensky-Martens c.c.
DIN 51758)

Handling

Packaging: polyethylene drum 220 kg
bulk quantities in rail/road tankers
or containers.
Toxicity: LD50 oral (rat): >5000 mg/kg
Skin irritation (rabbit): non irritant
Transport: not restricted
Inventories: EINECS (EU)
TSCA (US)
AICS (Australia)
MITI Japan)

For further information consult Safety Data Sheet

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