

**2',4' -DIMETHYLACETOACETANILIDE****1298**  
April 2006CAS No: 97-36-9  
RTECS No: AK4585000Butanamide, N-(2,4,-dimethylphenyl)-3-oxo  
1-Acetoacetylamino-2,4-dimethylbenzene  
N-Acetoacetyl-2,4-xilidide  
C<sub>12</sub>H<sub>16</sub>NO<sub>2</sub>  
Molecular mass: 205.3

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
<b>FIRE</b>	Combustible. Gives off irritating or toxic fumes (or gases) in a fire.	NO open flames.	water spray, foam, powder, carbon dioxide
<b>EXPLOSION</b>	Finely dispersed particles form explosive mixtures in air.	Prevent deposition of dust; closed system, dust explosion-proof electrical equipment and lighting.	

EXPOSURE			
<b>Inhalation</b>		Ventilation (not if powder).	Fresh air, rest.
<b>Skin</b>		Protective gloves.	Rinse and then wash skin with water and soap.
<b>Eyes</b>	Redness. Pain.	Safety goggles	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
<b>Ingestion</b>		Do not eat, drink, or smoke during work.	Rinse mouth. Refer for medical attention.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Personal protection: P2 filter respirator for harmful particles. Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting.	

EMERGENCY RESPONSE	SAFE STORAGE
NFPA Code: H2; F1; R0	

**IMPORTANT DATA****Physical State; Appearance**

COLOURLESS SOLID IN VARIOUS FORMS

**Physical dangers**

Dust explosion possible if in powder or granular form, mixed with air.

**Chemical dangers**

The substance decomposes on heating or on burning, producing toxic fumes including nitrogen oxides.

**Occupational exposure limits**

TLV not established.

MAK not established.

**Routes of exposure**

The substance can be absorbed into the body by ingestion.

**Inhalation risk**

No indication can be given about the rate in which a harmful concentration in the air is reached on evaporation of this substance at 20/C.

**Effects of short-term exposure**

The substance is mildly irritating to the eyes.

**PHYSICAL PROPERTIES**

Boiling point (decomposes): &gt;155/C

Melting point: 88/C

Density: 1.2 g/cm<sup>3</sup>

Solubility in water, g/100 ml at 20/C: 0.25 (very poor)

Vapour pressure, Pa at 20/C: 1.33

Flash point: 171/C

Auto-ignition temperature: &gt;400/C

Octanol/water partition coefficient as log Pow: 1.5 (calculated)

**ENVIRONMENTAL DATA****NOTES****ADDITIONAL INFORMATION****LEGAL NOTICE**

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