

**COPPER PHTHALOCYANINE****1638**  
April 2006CAS No: 147-14-8  
RTECS No: GL851000029H,31H-Phthalocyaninato(2-)-N29,N30,N31,N32 copper  
Copper, (29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32)-, (SP-4-1)-  
Tetrabenz-5,10,15,20-diazaporphyrinephthalocyanine  
C.I. Pigment blue 15  
 $C_{32}H_{16}CuN_8$   
Molecular mass: 576.1

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
<b>FIRE</b>	Not combustible. Gives off irritating or toxic fumes (or gases) in a fire.		In case of fire in the surroundings: use appropriate extinguishing media.
<b>EXPLOSION</b>			
<b>EXPOSURE</b>			
<b>Inhalation</b>		Avoid inhalation of dust	Fresh air, rest.
<b>Skin</b>		Protective gloves.	Remove contaminated clothes.
<b>Eyes</b>		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>	Abdominal pain. Nausea.	Do not eat, drink, or smoke during work.	Rinse mouth.

**SPILLAGE DISPOSAL**Personal protection: P1 filter respirator for inert particles.  
Sweep spilled substance into containers. Carefully collect remainder, then remove to safe place.**PACKAGING & LABELLING****EMERGENCY RESPONSE****SAFE STORAGE**

## IMPORTANT DATA

**Physical State; Appearance**

BRIGHT BLUE CRYSTALS.

**Chemical dangers**

The substance decomposes on heating producing toxic fumes.

**Occupational exposure limits**

TLV not established.

MAK not established.

**Inhalation risk**

No indication can be given about the rate in which a harmful concentration of this substance in the air is reached.

## PHYSICAL PROPERTIES

Decomposes at &gt;250 /C (See Notes)

Density: 1.62 g/cm<sup>3</sup>

Solubility in water: none

Octanol/water partition coefficient as log Pow: 6.6 calc.

## ENVIRONMENTAL DATA

## NOTES

Decomposition points in literature range from 250 to 600 degrees C. On decomposition, combustible substances may be formed, but autoignition does not occur below 350/C

Card has been partially updated in January 2008: see Physical Properties.

## ADDITIONAL INFORMATION

## LEGAL NOTICE

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