QUINTOZENE

0745
October 2002

CAS No: 82-68-8
RTECS No: DA6650000
UN No: 3077
EC No: 609-043-00-5

Pentachloronitrobenzene
PCNB
$C_6Cl_5NO_2$
Molecular mass: 295.3

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Liquid formulations containing organic solvents may be flammable. Gives off irritating or toxic fumes (or gases) in a fire.		In case of fire in the surroundings: use appropriate extinguishing media.
EXPLOSION			

EXPOSURE		**STRICT HYGIENE! AVOID EXPOSURE OF ADOLESCENTS AND CHILDREN!**	
Inhalation		Avoid inhalation of dust.	Fresh air, rest.
Skin		Protective gloves.	Remove contaminated clothes. Rinse skin with plenty of water or shower.
Eyes		Safety spectacles.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion		Do not eat, drink, or smoke during work. Wash hands before eating.	Rinse mouth. Refer for medical attention.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting. Carefully collect remainder, then remove to safe place. Do NOT let this chemical enter the environment. Personal protection: P2 filter respirator for harmful particles.	Xi Symbol N Symbol R: 43-50/53 S: (2-)13-24-37-60-61 UN Hazard Class: 9 UN Pack Group: III

EMERGENCY RESPONSE	SAFE STORAGE
Transport Emergency Card: TEC (R)-90GM7-III	Provision to contain effluent from fire extinguishing.

Prepared in the context of cooperation between the International Programme on Chemical Safety and the European Commission © IPCS 2004

SEE IMPORTANT INFORMATION ON THE BACK.

IMPORTANT DATA

Physical State; Appearance
COLOURLESS (PURE) TO PALE YELLOW (TECHNICAL) CRYSTALS, WITH CHARACTERISTIC ODOUR.

Chemical dangers
The substance decomposes on heating producing toxic and corrosive fumes including chloride fumes and nitrogen oxides.

Occupational exposure limits
TLV: 0.5 mg/m^3; A4; (ACGIH 2004).
MAK not established.

Routes of exposure
The substance can be absorbed into the body by inhalation of its aerosol.

Inhalation risk
A harmful concentration of airborne particles can be reached quickly when dispersed.

Effects of long-term or repeated exposure
The substance may have effects on the liver, resulting in impaired functions.

PHYSICAL PROPERTIES

Boiling point: 328/C
Melting point: 146/C
Density: 1.7 g/cm^3
Solubility in water, g/100 ml at 20/C: 0.00004

Vapour pressure, Pa at 20/C: 0.007
Relative vapour density (air = 1): 10.2
Relative density of the vapour/air-mixture at 20/C (air = 1): 1.00
Octanol/water partition coefficient as log Pow: 4.77

ENVIRONMENTAL DATA

The substance is very toxic to aquatic organisms. Bioaccumulation of this chemical may occur in fish. This substance does enter the environment under normal use. Great care, however, should be given to avoid any additional release, e.g. through inappropriate disposal.

NOTES

If the substance is formulated with solvent(s) also consult the card(s) (ICSC) of the solvent(s).
Carrier solvents used in commercial formulations may change physical and toxicological properties.
Card has been partly updated in October 2004. See sections Occupational Exposure Limits, EU classification, Emergency Response.

ADDITIONAL INFORMATION

LEGAL NOTICE Neither the EC nor the IPCS nor any person acting on behalf of the EC or the IPCS is responsible

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