

DICHLOBENIL**0867**
April 2005CAS No: 1194-65-6
RTECS No: DI3500000
EC No: 608-015-00-X2,6-Dichlorobenzonitrile
DBN
2,6-Dichlorophenylcyanide
 $C_7H_3Cl_2N$ / $C_6H_3Cl_2(CN)$
Molecular mass: 172.0

| TYPES OF HAZARD/ EXPOSURE | ACUTE HAZARDS/SYMPTOMS | PREVENTION | FIRST AID/FIRE FIGHTING |
|---------------------------|--|------------|---|
| FIRE | Not combustible. Gives off irritating or toxic fumes (or gases) in a fire. | | In case of fire in the surroundings: use appropriate extinguishing media. |
| EXPLOSION | | | |

| EXPOSURE | See EFFECTS OF LONG-TERM OR REPEATED EXPOSURE. | | |
|-------------------|--|--|---|
| Inhalation | Cough. | Ventilation (not if powder), local exhaust, or breathing protection. | Fresh air, rest. |
| Skin | MAY BE ABSORBED! | Protective gloves. | Remove contaminated clothes. Rinse and then wash skin with water and soap. |
| Eyes | Redness. | Safety goggles. | 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. | Rinse mouth. Do NOT induce vomiting. Refer for medical attention. |

| SPILLAGE DISPOSAL | PACKAGING & LABELLING |
|--|---|
| Personal protection: P2 filter respirator for harmful particles. Do NOT let this chemical enter the environment. Sweep spilled substance into sealable containers; if appropriate, moisten first to prevent dusting. Carefully collect remainder, then remove to safe place. | Xn Symbol N Symbol R: 21-51/53 S: (2-)36/37-61 Do not transport with food and feedstuffs. |

| EMERGENCY RESPONSE | SAFE STORAGE |
|--------------------|--|
| | Provision to contain effluent from fire extinguishing. Separated from oxidants, food and feedstuffs. Store in an area without drain or sewer access. |

IMPORTANT DATA

Physical State; Appearance

WHITE TO OFF-WHITE CRYSTALS, WITH CHARACTERISTIC ODOUR.

Chemical dangers

The substance decomposes on heating producing toxic and corrosive fumes including hydrogen chloride. Reacts violently with oxidants.

Occupational exposure limits

TLV not established.
MAK not established.

Routes of exposure

The substance can be absorbed into the body by inhalation, through the skin and by ingestion

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 skin, resulting in chloracne.

PHYSICAL PROPERTIES

Boiling point: 270/C

Melting point: 145-146/C

Density: 1.3 g/cm³

Solubility in water: none

Vapour pressure, Pa at 20/C: 0.073

Octanol/water partition coefficient as log Pow: 2.64

ENVIRONMENTAL DATA

The substance is toxic to aquatic organisms. 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

Dichlobenil is a major metabolite of Chlorthiamid.

Other melting points: 139-145/C (technical).

Casoron, Decabane, Prefix D, Cyclomec, Niagara 5006 and 5996, Norosac are trade names.

See also ICSC0852 Chlorthiamid.

ADDITIONAL INFORMATION

LEGAL NOTICE

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