



## 4,4' Dichloro Diphenyl Sulfone Technical Data Sheet

### Chemical Identity

Chemical Name	:	4,4'Dichloro Diphenyl Sulfone
Synonyms	:	Bis(P-chlorophenyl) sulfone, DCDS
CAS NO.	:	80-07-9
Molecular Weight	:	248.31
Empirical Formula	:	C <sub>12</sub> H <sub>8</sub> Cl <sub>2</sub> O <sub>2</sub> S

### Physical and Chemical Properties

Appearance	:	White needle crystals or flakes
Odor	:	Odorless
Purity	:	Min. 99.7%

### Specifications:

Melting Range	:	148°C to 150°C
Volatile Contents	:	Maximum 0.05% w/w
Ash Contents	:	Max. 0.04% w/w
Iron Contents	:	Max. 4ppm
Color in 10% Acetone solution	:	Max. 20 Pt-Co
Assay (By HPLC)	:	Min. 99.7%



## **Applications**

DCDS is a specialized monomer used as a starting material for production of polyether sulfones, diaminodiphenyl sulfone and dihydroxydiphenyl sulfone.

High purity of the product coupled with very low contamination of isomers like 2,4' or 3,4' makes DCDS an ideal intermediate. Our DCDS assures both.

## **Packing**

Polyethylene bags sealed inside strong HDPE bags

Net wt. of bag 25 Kg (bulk density 0.70 to 0.75 Kg/Ltr). Each pallet consists of 20 bags (500 Kg net wt.).

## **Handling and Storage**

Store container away from direct sun and dry place. Storage area preferably well ventilated.

Our experience with handling DCDS for a prolonged period shows that the product posed little danger to handlers. However, avoid contact with skin and eye since it can cause sensitization and dermatitis. Use of hand gloves and dust mask will be appropriate for handling this chemical.

In case of accidental spillage, sprinkle with water spray and collect it before it forms dust. Send it for disposal as per local regulations.

Please refer to Material Safety Data Sheet for information on safety and toxicity.