

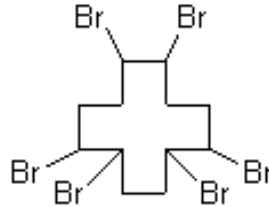
Chemical Name : Hexabromocyclododecane

Synonyms: HBCD; 1,2,5,6,9,10-Hexabromocyclododecane;

CAS NO. : 3194-55-6 or 25637-99-4

Chemical formula: C₁₂H₁₈Br₆

Structure formula :



1 specifications:

HBCD content%	>99
Bromine content%	73.0 ~ 75.0
Melting point, °C	185 ~ 195
Thermal resolving temperature °C	200 ~ 220
Color (APHA)	30
Volatilizing(105°C,2h)≤	0.5%
Moisture%	≤0.1
Appearance	White powder
Fineness	100mesh ~ 800mesh

2 Applications:

- 2.1 used in polystyrene (EPS) foam, extruded polystyrene foam (XPS) and textile back coatings;
- 2.2 used as adding agent of flammable inhibitor for polyethylene, poly carbonate, unsaturated polyester;
- 2.3 used in fire-proof treatment of fabric, butadiene styrene rubber, coating and unsaturated polyester.

3 Narrate:

- 3.1 The product is white crystal powder, Its theoretical bromine content is 74.71%. The density is 2.36g/cm³, It has a good heat stability and dispersivity TGA is 259°C(1%) and 280°C(5%).
- 3.2 it can dissolve in alcohol, ketene, ester and other organic solvents, such as methyl alcohol, ethanol, pentyl acetate, acetone and others.
- 3.3 The toxicity is low, LD50>5000mg/kg

4 Packing: 25Kg PP Bags or Paper Bags or 1000Kg PP Bags.

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