

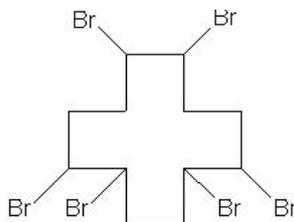


PRODUCT DATA SHEET

Product Name: 1, 2, 5, 6, 9, 10-Hexabromocyclododecane(HBCD)

CAS NO.:-----3194-55-6;

Molecular formula:-----C₁₂H₁₈Br₆ ;



Molecular weight:----- 641.7;

Specification

Melting point:-----178-182 °C;

Bromine content:-----74-75 %;

Color APHA≤:-----60;

Volatile (2H 110°C)-----0.5% max;

Usage: It is used as flammable inhibitor for EPS, polypropylene fiber and styrene resin; it is also used as adding agent of flammable inhibitor for polyethylene, poly carbonate, unsaturated polyester, Besides, it can be used in fire-proof treatment of fabric, butadiene styrene rubber, binder, coating and unsaturated polyester.

Characteristics: 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%). The toxicity is low, LD₅₀>5000mg/kg, it can dissolve in alcohol, ketene, ester and other organic solvents, such as methyl alcohol, ethanol, ethyl acetate, acetone and others. It has good stability to heat and ultraviolet ray. The product is a kind of alicyclic flammable inhibitor containing highly bromine. Its fire-proof result is higher than the one of bromine kind of aromatic flammable inhibitor. The thermal stability is higher than the one of bromine kind of aliphatic flammable inhibitor. The code of the same kind of foreign product is CD-75P or HBCD.

Package: net weight 25kg, a plastic bag is lined inside and a paper-plastic compound package bag outside.

Handle: It is stored and transported according to storing and transporting demands of normal chemical. Rain proof and moisture proof. It must be stored in airing well, cool and dry storehouse or shed, prevent it from sun shining, heating, avoid decomposing and going bad.

A PRODUCT OF YINGSHENG CHEMICAL.

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