



## HEXABROMOCYCLODODECANE

**Chemical Name:** Hexabromocyclododecane

**Brand Name:** EcoFlame B-641

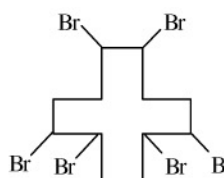
**Equivalent Brand:** CD-75P

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

**Chemical formula:** C<sub>12</sub>H<sub>18</sub>Br<sub>6</sub>

**Molecular Weight:** 641.7

**Chemical Structure:**



### Application:

EcoFlame B-641, has a very high aliphatic bromine content resulting in lower loading and minimum effect on polymer physical properties. It is an additive flame retardant used in a wide range of plastics as well as textiles, adhesives and coatings. It is particularly recommended for styrene based systems such as expanded and extruded polystyrene foams.

Particularly, EcoFlame B-641 was applicable to EPS(Expandable Polystyrene)

For application where high processing temperatures are used, a thermal stabilized grade-EcoFlame B-641TS, High melting point grade-B-641HM, thermal stabilized and high melting point grade-B-641TM were available.

It was also available in powder and granular form.

### Technical Data Sheet

Analysis Item	Standard	Analysis Result
Appearance	White powder	White powder
Bromine content %	74min	74.2
Volatile content %	2 hours 105□ 0.3%max	0.2
Melting point □	180min	184~194
Particle size 80 mesh passed %	95	100
Purity %	99min	99.2

### Packing:

EcoFlame B-641 was packed in 25kg paper bag, 40 bags on pallet,  
Or Jumbo bag, total 20Mt per 20'FCL.

**Note:** Granular form EcoFlame B-641G was available.

## Unibrom Corp.

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