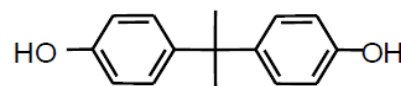


Bisphenol-A (BPA)



summary

Bisphenol-A(BPA) is used for the production of epoxy resins and polycarbonate resins, polycarbonate resins are used in electrical and electronic materials, automobiles, CD / DVDs and food and beverage packaging materials, and epoxy resins are used in coatings, adhesives, electrical and electronic applications, etc. Is varied.

This product is obtained by condensation reaction of phenol and acetone in the presence of a catalyst.

Please refer to separate material safety data when handling.

Common name	Chemical name	Empirical formula
BPA	4,4'-(1-Methylethylidene) bisphenol	$(\text{CH}_3)_2\text{C}(\text{C}_6\text{H}_4)_2$

Specification

Appearance	White Prills	Iron, wt ppm	Max. 0.1
Purity, wt%	Min. 99.85	Freezing point, °C	Min. 156.5
Phenol, wt ppm	Max. 100	Molten color, APHA No.	Max. 20
o, p-Isomer, wt ppm	Max. 500	Solution Color, APHA No.	Max. 10
Water, wt ppm	Max. 1,000		

Properties

Molecular Weight	228.3	Heat of fusion, cal/g	30.6
Exterior	White Prills	Specific heat, cal/g/°C	
Boiling point, °C	360	@ 165 °C	0.56
Melting point, °C	155	@ 157 °C (Liquid)	0.61
Flash point, °C COC	207	@ 157 °C (Solid)	0.45
CC	227	@ 60 °C	0.36
Minimum ignition point, °C	532	Bulk Density, kg/m ³	630 ~ 680
Explosion limit, g/L	0.019	Solubility, g/100g Solvent @ 25 °C	
Minimum ignition energy, mJ	1.8	Acetone	85
Explosion constant severity, bar-m/s	297	Epichlorohydrin	38
Specific gravity, g/cm ³ @ 25/25 °C	1.2	Ethane	150
Density, kg/m ³ @ 165 °C	1.054	Methanol	210
Volume resistivity, ohms/cm ³	5.1 * 1,015	Water	<0.1

Packing unit

Paper Bag	25kg	Truck
Flecon Bag	500kg, 750kg, 800kg, 1ton	

Preparation

Ventilation	Protective clothing
Safety glasses	Safety gloves

Hazard

※ Main health risk : eye irritation, allergic reaction

※ Potential health effects.

- inhale

- Short-term exposure : irritation
- Long-term exposure : No information on significant side effects

-Skin contact

- Short-term exposure : irritation, allergic reaction, and sensitivity to light
- Long-term exposure : irritation, allergic reactions, skin disorders

-Eye contact

- Long-term exposure : irritation

- Intake

- Short-term exposure : diarrhea, difficulty breathing, headache, drowsiness, Dizziness, loss of coordination(function)
- Long-term exposure : No information on significant side effects

First Aid Tips

-Eye contact

- Do not rub your eyes.
- Wash your eyes for at least 15 minutes with plenty of water.
- Get medical attention immediately.
- If you wear contact lenses, remove them first.

-Skin contact

- Take off contaminated clothing and shoes and wash immediately with soap and water for at least 15 minutes.
- Wash (sufficiently) contaminated clothing before reuse.
- Remove and isolate contaminated clothing and shoes.
- Get medical attention immediately.
- If symptoms (redness, irritation, etc.) occur, go to the hospital immediately.
- Wash thoroughly after handling.
- Wear gloves when washing the patient and avoid contact with contaminated clothing.

- inhale

- If exposed to large amounts of steam or mist, move to a location with clean air.
- Take action as needed.
- If breathing is irregular or stopped, give artificial respiration and provide oxygen.