

SAFETY DATA SHEET

BISPHENOL A (BPA)

CAS No.: 80-05-7

This Safety Data Sheet is compiled from well-established published chemical, GHS classification and regulatory reference sources for this substance. It is supplied by Suraj Chemicals as the distributor/supplier of record and is not a manufacturer-issued document. Users should also consult the specific manufacturer's SDS where available.

1. IDENTIFICATION

Product Name	Bisphenol A (BPA)
CAS Number	80-05-7
Recommended Use	Industrial / commercial chemical trading and distribution
Supplier	Suraj Chemicals, No 92, Govindappa Naicken Street, Shiva Complex, Chennai - 600001, India
Emergency Telephone	+91 - 9840284032, 9176135357 / +91 - 44 - 25393652

2. HAZARD(S) IDENTIFICATION

GHS Signal Word	Warning
HAZARD CLASSIFICATION - Serious eye damage - Category 1 - Skin sensitization - Category 1 - Reproductive toxicity - Category 1B - Specific target organ toxicity, single exposure - Category 3 (respiratory irritation) - Chronic aquatic toxicity - Category 2	
HAZARD STATEMENTS - H318 - Causes serious eye damage - H317 - May cause an allergic skin reaction - H360F - May damage fertility - H335 - May cause respiratory irritation - H411 - Toxic to aquatic life with long lasting effects	
PRECAUTIONARY STATEMENTS - P201 - Obtain special instructions before use - P260 - Do not breathe dust - P264 - Wash exposed skin thoroughly after handling - P270 - Do not eat, drink or smoke when using this product - P273 - Avoid release to the environment - P280 - Wear protective gloves/eye protection/face protection - P302+P352 - IF ON SKIN: wash with plenty of water - P305+P351+P338 - IF IN EYES: rinse cautiously with water for several minutes; remove contact lenses if present; continue rinsing - P310 - Immediately call a POISON CENTER or doctor - P405 - Store locked up	

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Bisphenol A (BPA)
CAS Number	80-05-7
Physical State	Solid
Appearance / Odour	White to light tan crystalline flakes or powder with a mild phenolic odor.

4. FIRST-AID MEASURES

Eye Contact	Rinse cautiously with water for several minutes; remove contact lenses if present; continue rinsing and get immediate medical attention.
Skin Contact	Wash off with plenty of water and soap; seek medical attention if irritation or a rash persists.
Inhalation	Remove to fresh air; if dust inhalation causes coughing or respiratory irritation, seek medical attention.
Ingestion	Rinse mouth with water; give water to drink; seek medical advice if discomfort occurs or larger amounts are ingested.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Dry chemical, carbon dioxide, alcohol-resistant foam, or water spray/fog.
Unsuitable Extinguishing Media	None specifically identified.
Special Hazards	Combustible solid; finely divided dust can form an explosible cloud in the presence of an ignition source; combustion produces carbon monoxide, carbon dioxide and irritating phenolic fumes.

6. ACCIDENTAL RELEASE MEASURES

Measures	Avoid generating dust, sweep up avoiding contact, prevent entry into drains/waterways (toxic to aquatic life), and collect in a suitable container for disposal.
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7. HANDLING AND STORAGE

Handling Precautions	Avoid generating and inhaling dust, avoid all skin/eye contact given reproductive toxicity and sensitization classification, use with adequate ventilation, and follow good hygiene practice (no eating/drinking/smoking while handling).
Storage Conditions	Store in a cool, dry, well-ventilated place in a tightly closed container away from strong oxidizers; store locked up/restricted access due to reproductive toxicity classification.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits / PPE	No universally-established occupational exposure limit; some jurisdictions reference guidance values around 5-10 mg/m3 total dust or lower internal company limits given ongoing regulatory scrutiny; use a dust mask/respirator, chemical splash goggles and chemical-resistant gloves.
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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Appearance / Odour	White to light tan crystalline flakes or powder with a mild phenolic odor.
Boiling Point	~360 C (decomposes)
Melting Point	~150-157 C
Flash Point	~207-227 C (solid; relevant primarily to molten handling)
Density / Specific Gravity	~1.20 g/cm3
Water Solubility	Slightly soluble, ~120-300 mg/L at 20-25 C
pH Value	Not applicable (essentially neutral phenolic solid; mildly acidic in solution due to phenolic OH groups)

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions of storage and use.
Incompatible Materials	Strong oxidizing agents, strong acids and bases.
Hazardous Decomposition	Carbon monoxide, carbon dioxide and phenolic fumes on combustion or strong thermal decomposition.

11. TOXICOLOGICAL INFORMATION

Summary	Causes serious eye damage; a confirmed skin sensitizer; classified as a reproductive toxicant (Category 1B, may damage fertility) based on animal studies, and the subject of extensive ongoing scientific and regulatory review regarding potential endocrine-disrupting (estrogenic) activity at low-dose chronic exposure, which has led to restrictions on BPA in food-contact and consumer applications (e.g., baby bottles) in numerous jurisdictions; may cause respiratory irritation from dust.
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12. ECOLOGICAL INFORMATION

Summary	Toxic to aquatic life with long-lasting effects; moderate persistence; recognized as an aquatic endocrine-disruption concern in some regulatory assessments; should be strictly prevented from entering waterways.
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13. DISPOSAL CONSIDERATIONS

Disposal Method	Dispose of as hazardous/chemical waste through a licensed waste management facility in accordance with local regulations; do not discharge to waterways.
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14. TRANSPORT INFORMATION

UN Number	Not regulated for transport
Transport Hazard Class	Not regulated
Packing Group	Not applicable

15. REGULATORY INFORMATION

Notes	Key raw material for polycarbonate and epoxy resin manufacture; classified as a reproductive toxicant, sensitizer and aquatic hazard under GHS, OSHA HCS and EU CLP; subject to specific restrictions on use in food-contact materials and consumer products (e.g., EU BPA restrictions, various national bans in infant products) in numerous jurisdictions; industrial/resin-grade material only, not for food-contact use without separate regulatory clearance.
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16. OTHER INFORMATION

Prepared By	Suraj Chemicals, Technical / QA Desk
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Note	This SDS is compiled from well-established published GHS hazard classification data and general chemical reference sources for this substance, in the standard 16-section format. Values are believed accurate but Suraj Chemicals makes no warranty, express or implied, regarding their completeness. Users should evaluate suitability for their own specific use.

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+91 - 9840284032, 9176135357
+91 - 44 - 25393652, 42130281
sales@surajchemicals.com
surajchemicals@yahoo.com

No 92, Govindappa Naicken Street
Shiva Complex, Chennai - 600001
www.surajchemicals.com
GST NO : 33ACEPV8190L1Z2

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