


SAFETY DATA SHEET

BISPHENOL

SECTION 1: Identification of the substance/mixture and of the company/undertaking Trade name:

1.1 Product identifier:	
CAS Number:	80-05-7
EC number:	201-245-8
1.2 SYNONYMS:	<ul style="list-style-type: none"> • Bisphenol A • 2,2-Bis(4-hydroxyphenyl)propane • 4,4-Isopropylidenediphenol

SECTION 2: Hazards identification:

2.1 Classification of the substance or mixture:	Classification according to Regulation (EC) No 1272/2008 The substance is classified according to the CLP regulation.
2.2 Label elements:	<p>Labelling according to Regulation (EC) No 1272/2008</p> <p>Serious eye damage, (Category 1)</p> <p>Skin sensitisation, (Category 1)</p> <p>Reproductive toxicity, (Category 1B)</p> <p>Specific target organ toxicity - single exposure, (Category 3), Respiratory system</p> <p>Endocrine disruptor for human health, (Category 1)</p> <p>Short-term (acute) aquatic hazard, (Category 1)</p> <p>Long-term (chronic) aquatic hazard, (Category 1)</p> <p>Endocrine disruptor for environment, (Category 1)</p>
Hazard Pictograms:	
Signal Word:	Danger

Hazard statements:	<p>H317: May cause an allergic skin reaction.</p> <p>H318: Causes serious eye damage.</p> <p>H335: May cause respiratory irritation.</p> <p>H360F: May damage fertility.</p> <p>H410: Very toxic to aquatic life with long lasting effects.</p> <p>EUH380: May cause endocrine disruption in humans.</p> <p>EUH430: May cause endocrine disruption in the environment.</p>
Precautionary Statements:	<p>P201: Obtain special instructions before use.</p> <p>P202: Do not handle until all safety precautions have been read and understood.</p> <p>P263: Avoid contact during pregnancy and while nursing.</p> <p>P273: Avoid release to the environment.</p> <p>P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P308 + P313: IF exposed or concerned: Get medical advice/ attention.</p> <p>P391: Collect spillage.</p> <p>P405: Store locked up.</p> <p>P501: Dispose of contents/ container to an approved waste disposal plant.</p>
2.3 Other hazards:	
Inhalation:	<p>may cause respiratory irritation and has been linked to potential endocrine and neurological effects with prolonged exposure.</p>

Ingestion:	may disrupt endocrine function and has been associated with reproductive, developmental, and metabolic health risks.
Skin Contact:	can lead to mild irritation and may allow for dermal absorption, potentially contributing to hormonal disruption with repeated or prolonged exposure.
Eye contact:	may cause irritation, including redness, tearing, and discomfort.
Chronic Exposure:	may lead to endocrine disruption, reproductive and developmental issues, increased risk of certain cancers, and potential metabolic and cardiovascular effects.
Aggravation of pre-existing conditions:	may aggravate pre-existing conditions such as hormone-related disorders, asthma, skin sensitivities, and cardiovascular or metabolic diseases.

SECTION 3: Composition/information on ingredients

3.1 Chemical characterisation:	Substances
CAS No:	Description: 80-05-7 BISPHENOL
Identification number(s):	EC number: 201-245-8

SECTION 4: First aid measures

4.1 Description of first aid measures	
General information:	
After inhalation:	
	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

After skin contact:	Remove contaminated clothing immediately. Wash with plenty of water. Consult a physician.
After eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes. consult a physician.
After swallowing:	Rinse mouth with water. Immediately after ingestion. If conscious, make victim drink two glasses at most immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting. Consult a physician.
4.2 Most important symptoms and effects, both acute and delayed:	The most important symptoms and effects, both acute and delayed, include respiratory and skin irritation, eye discomfort, and long-term risks such as hormonal imbalance, reproductive issues, and potential developmental and metabolic disorders.
4.3 Indication of any immediate medical attention and special treatment needed:	Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media:	Carbon dioxide. Water spray. Alcohol-resistant foam.
5.2 Special hazards arising from the substance or mixture:	Carbon oxides.
5.3 Advice for firefighters:	Wear fully protective suit, safety glasses and respiratory device. Cool tanks/drums with water spray/remove them into safety.
5.4 further information:	no data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Avoid dust accumulation. Seek medical attention.
6.2 Environmental precautions:	Do not enter this chemical into drains.
6.3 Methods and material for containment and cleaning up:	Take up spill into absorbent material, e.g.: sand, earth, vermiculite, powdered limestone. Scoop absorbed substance into closing containers. Spill must not return in its original container. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:	For use in are with adequate ventilation. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material Do not use in confined spaces. Electrostatic discharge protection. Minimize dust generation and accumulation. Avoid ingestion and inhalation.
7.2 Conditions for safe storage, including any incompatibilities:	Store in original containers. Keep containers securely sealed Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers.

	Protect containers against physical damage and check regularly for leaks. Store in a dry and dark area. Do not handle in flammable atmospheres.
Requirements to be met by storerooms and receptacles:	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
7.3 Specific end uses:	no data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters	
Additional information about design of technical facilities:	A system of local and general exhaust is recommended.
8.2 Exposure controls	
Appropriate engineering controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Personal protective equipment:	Dust respirator, protective masks, wearing anti chemical gloves, rubber gloves, etc.
General protective and hygienic measures:	Eyes, body and hand protection, maintain indoor air unobstructed. Wear protective equipment.
	Respiratory protection: Required.
Protection of hands:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws. Wash and dry hands.
	Eye protection: Required

Protection of Body:	Complete suit protecting against chemicals, Flame retardant antistatic protective clothing.
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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
General Information	
Appearance: Form:	Crystals, flakes, or powder
Colour:	White or beige to light brown
Odour:	Weak phenolic or medicinal smell
pH-value:	Not applicable
Melting point/Melting range:	155°C
Boiling point/Boiling range:	252°C
Flammability (solid, gaseous):	Combustible; finely dispersed dust may form explosive mixtures
Ignition temperature:	570°C
Decomposition temperature:	Not determined
Self-igniting:	None
Flash point:	227°C
Danger of explosion:	None
Explosion limits: Lower:	Not determined
Explosion limits: Upper:	Not determined
Vapour pressure:	Not determined
Density at 20 °C:	1.195 g/cm ³
Relative density:	1.195
Vapour density:	Not determined
Evaporation rate:	Not determined
Solubility in / Miscibility with-water at 20 °C:	Sparingly Soluble
Partition coefficient:(n-octanol/water)	3.3
Viscosity:	Not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity	No data available
10.2 Chemical stability	This chemical is stable under storage conditions.
10.3 Possibility of hazardous reactions	May react violently with strong oxidizers.
10.4 Conditions to avoid	High temperatures, Strong oxidizing environments, Avoid dust accumulation.
10.5 Incompatible materials	Strong oxidizing agents, strong acids and bases, reactive metals and halogens
10.6 Hazardous decomposition products	When heated to decomposition, BPA can release phenol, carbon monoxide, carbon dioxide, and other toxic fumes. May also produce formaldehyde and other volatile organic compounds (VOCs).

SECTION 11: Toxicological information

11.1 Information on toxicological effects	
Acute Toxicity:	LD50 (Oral, Rat): 2.000 mg/kg LD50 (Dermal, Rabbit): 3.000 mg/kg LC50 (Inhalation Rat): No data available
Skin corrosion/Irritation:	Causes skin allergic reactions
Serious eye damage/irritation:	Causes Serious eye damage
Respiratory damage/irritation:	No data available
Ingestion:	No data available
Germ cell mutagenicity:	No data available
Carcinogenicity:	No data available
Reproductive toxicity:	May damage fertility
Specific target organ toxicity - single exposure:	Causes respiratory irritation
Specific target organ toxicity - repeated exposure:	No data available

Aspiration hazard:	No data available
Endocrine Properties	Yes
Signs and Symptoms of Exposure:	Refer section 2.3
11.2 Additional toxicological information	
Biodegradability:	Readily biodegradable

SECTION 12: Ecological information

12.1 Toxicity Aquatic toxicity:	LC50(fish): 4.7 mg/l (96hr) EC50(daphnia): 10.2 mg/l (48hr) ErC50(algae): 3.1 mg/l (72hr)
12.2 Persistence and degradability:	Readily Biodegradable
12.3 Bioaccumulative potential:	Moderate bioaccumulative
12.4 Mobility in soil:	Moderate mobility
12.5 Other adverse effects:	No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods	
Uncleaned packaging Recommendation:	dispose of in accordance with local hazardous waste regulations
Recommended cleansing agents:	Water and detergent, isopropanol, sand

SECTION 14: Transport information

14.1 UN-Number · ADR, ADN, IMDG, IATA:	3077
14.2 UN proper shipping name · ADR, ADN, IMDG, IATA:	BISPHENOL
14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA :	9
14.4 Packing group · ADR, IMDG, IATA:	3
14.5 Environmental hazards:	Yes
14.6 Special precautions for user:	Handle responsibly.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Directive 2012/18/EU	Directive 2012/18/EU, under that this substance is classified in listed substances as environmentally chronic substance
Named dangerous substances:	This substance is not listed in the annex 1 to the directive.
15.2 Chemical safety assessment:	Chemical assessment has not been carried out.

SECTION 16: Other information

The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and limitations of our knowledge, this document is only for reference. Users should make their independent judgment suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

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