

Bisphenol A - 157

Version 12.2

Revision Date 06/25/2005

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SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Trade name : Bisphenol A - 157

Product code : U8926

MSDS Number : 304

Product Type : Chemical intermediate.

Company : Hexion Specialty Chemicals, Inc.
P. O. Box 4500
Houston, TX 77210
USA

Telephone : (832) 486-6700

Emergency telephone number : CHEMTREC US Domestic (800) 424-9300
CHEMTREC International (703) 527-3887

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Product Group : Phenol derivative

Chemical Name	CAS-No.	Weight %
4,4'-Isopropylidenebisphenol	80-05-7	100 %

SECTION 3. HAZARDS IDENTIFICATION**Emergency Overview**

Human health hazards : Irritating to eyes, respiratory system and skin. May cause sensitization by skin contact.

Safety hazards : Danger of dust explosion when ground to a small particle size.

SECTION 4. FIRST AID MEASURES

Inhalation : Remove to fresh air.

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Skin contact : Remove contaminated clothing. Wash skin with water using soap if available. If persistent irritation occurs, obtain medical attention.

Eye contact : DO NOT DELAY. Flush eye with water. OBTAIN MEDICAL ATTENTION IMMEDIATELY.

Ingestion : Do not induce vomiting. If rapid recovery does not occur, obtain medical attention.

Notes to physician

Symptoms : Irritation of the skin, eyes and respiratory tract

Treatment : Dermatitis may result from prolonged or repeated exposure. If skin sensitisation has developed and a causal relationship has been confirmed, further exposure should not be allowed.

SECTION 5. FIRE-FIGHTING MEASURES

Unsuitable extinguishing media : Water in a jet.

Suitable extinguishing media : Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Specific hazards during fire fighting : Not classified as flammable but will burn. Hazardous combustion products may include carbon monoxide Explosive dust clouds may be produced.

Special protective equipment for fire-fighters : Full protective clothing and self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Avoid raising a dust cloud.
Avoid contact with skin, eyes, clothing
Do not breathe dust

Environmental precautions : Prevent from entering into drains, ditches or rivers.
Inform the local authorities if this cannot be prevented.

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- Clean-up methods - small spillage : Shovel up and place in a labelled, sealable container for subsequent safe disposal.
- Clean-up methods - large spillage : Transfer to a labelled container for product recovery or safe disposal.
- Additional advice : Notify authorities if any exposures to the general public or environment occurs or is likely to occur. See Section 13 for information on disposal.

SECTION 7. HANDLING AND STORAGE

Handling

- Advice on safe handling : Avoid contact with skin, eyes and clothing. Do not breathe dust. Avoid generation or accumulation of dusts. Earth all equipment. Take precautionary measures against static discharges.

Storage

- Requirements for storage areas and containers : Use nitrogen blanketing or tank air/desiccant dryers.
- Storage temperature : ≤ 60 °C (≤ 140 °F)

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Protective measures : Wear dust-tight monogoggles, PVC gloves, gauntlet type, disposable one-piece uncoated overall without integral hood, safety shoes or boots - chemical resistant. If there is a risk of inhalation of dusts, wear a NIOSH approved respirator with P100 filters.
- Engineering measures : Use local exhaust ventilation.

Exposure Guidelines

Components with workplace control parameters	Regulation	Exposure time	Value	Remarks
4,4'-Isopropylidenebisphenol	ACGIH			None established.

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DUST, RESPIRABLE DUST	OSHA PEL		5 mg/m3	
	ACGIH TLV		5 mg/m3	
DUST, TOTAL DUST	OSHA PEL		15 mg/m3	
	ACGIH TLV		10 mg/m3	

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: Flake Solid
Colour	: White
Odour	: Mild Phenolic
Melting / freezing point	: 153 - 156 °C (307 - 313 °F)
Boiling point	: 220 °C (428 °F)
Flash point	: 207 °C (405 °F) (COC)
Vapour pressure	: 27 Pa at 170 °C (338 °F)
Density	: 1,170 g/cm3 at 25 °C (77 °F)
Solubility in water	: Slightly soluble.

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	: None known.
Materials to avoid	: None known.
Hazardous decomposition products	: None expected under normal use conditions.
Hazardous reactions	: Stable under normal use conditions.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: LD50 - > 2,000 mg/kg (Rat) Low toxicity, LD50 > 2000 mg/kg.
Acute dermal toxicity	: LD50 - > 2,000 mg/kg (Rabbit)

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Low toxicity, LD50 > 2000 mg/kg.

Acute inhalation toxicity : LC50 - > 170 mg/m3 (Rat)
 Low toxicity, LC50 > 5 mg/l., Irritant.

Chronic Health Hazard

Components	Concentration	Regulation	Value	Remarks
4,4'-Isopropylidenebisphenol	100 %	US. IARC Monographs on Occupational Exposures to Chemical Agents		This component has not been classified by the International Agency for Research on Cancer (IARC).

Eye irritation : Slightly irritating to the eyes.

Skin irritation : Slightly irritating to the skin.

Sensitization : May cause skin sensitization.

Repeated dose toxicity : Repeated exposure affects the respiratory system. Effects were seen at high doses only.

Carcinogenicity : Not a carcinogen.

Toxicity to reproduction : Does not impair fertility.

Mutagenicity : Not mutagenic.

Human effects : May cause skin sensitization. See Section 4 for information regarding acute effects to humans.

Development toxicity : Development toxicity

Basis for assessment : Information given is based on product data.

Potential Health Effects

Skin : May cause sensitization by skin contact.

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SECTION 12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Biodegradability : Readily biodegradable.
Bioaccumulation : Does not bioaccumulate significantly.

Ecotoxicity effects

Toxicity to fish : Toxic, 1 < LC/EC/IC 50 <= 10 mg/l .
Toxicity to algae : Toxic, 1 < LC/EC/IC 50 <= 10 mg/l .
Acute toxicity - invertebrates : Toxic, 1 < LC/EC/IC 50 <= 10 mg/l .
Sewage treatment : Slightly toxic, 10 < LC/EC/IC 50 <= 100 mg/l .
Basis for assessment : Information given is based on product data.

SECTION 13. DISPOSAL CONSIDERATIONS

Product disposal : If this material becomes a waste, it would not be a hazardous waste by RCRA criteria (40 CFR 261). Place in an appropriate disposal facility in compliance with local and federal regulations.

SECTION 14. TRANSPORT INFORMATION

CFR_RAIL NOT REGULATED FOR TRANSPORT
CFR_ROAD NOT REGULATED FOR TRANSPORT
IATA_C NOT REGULATED FOR TRANSPORT
IMDG NOT REGULATED FOR TRANSPORT

SECTION 15. REGULATORY INFORMATION

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

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Notification status

AICS : y
 DSL : y
 INV (CN) : y
 ENCS (JP) : y
 TSCA : y
 EINECS : y
 KECI (KR) : y
 PICCS (PH) : y

US. EPA CERCLA Hazardous Substances (40 CFR 302)

4,4'-Isopropylidenebisphenol No RQ

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

4,4'-Isopropylidenebisphenol De minimis concentration: 1.0 %

The mixture or trade name product contains a toxic chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)

4,4'-Isopropylidenebisphenol Threshold Planning Quantity: No TPQ

4,4'-Isopropylidenebisphenol Reportable quantity: No RQ

New Jersey Right-To-Know Chemical List

4,4'-Isopropylidenebisphenol Listed.

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Pennsylvania Right-To-Know Chemical List

4,4'-Isopropylidenebisphenol Environmental hazard.

Massachusetts Right-To-Know Chemical List

4,4'-Isopropylidenebisphenol Not Listed

HMIS Rating : Health: 2
 Fire: 1
 Reactivity: 0

SECTION 16. OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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