



Product Information (203) 740-3471 / Emergency Assistance CHEMTREC 1-800-424-9300

MATERIAL SAFETY DATA SHEETS

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PRODUCT IDENTIFICATION

PRODUCT NAME: BISPHENOL A

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: BISPHENOL A

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component CAS No. Amount (Vol%)
BISPHENOL A 80-05-7 100 - 100
EXPOSURE GUIDELINES (SEE SECTION 15 FOR ADDITIONAL EXPOSURE LIMITS)
CAS No. Governing Body Exposure Limits

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Warning! May cause allergic skin reaction. May cause eye irritation. May cause skin irritation. May cause respiratory tract irritation. May cause target organ or system damage to the following: Eye, Skin, Respiratory system, Hazards Ratings:

Key: 0 =least, 1 = slight, 2 = moderate, 3 = high, 4 = extreme

Health Fire Reactivity PPI

NFPA 2 1 0

HMIS 2 1 0 X

POTENTIAL HEALTH EFFECTS

PRE-EXISTING MEDICAL CONDITIONS

The following diseases or disorders may be aggravated by exposure to this product: Eye, Skin, Respiratory system, Lung (asthma like conditions),

INHALATION

Excessive exposure to mists or vapors generated by heat may cause irritation to eyes, nose, throat, lungs and respiratory tract.

LC50 (mg/l): no data

LC50 (mg/m3): > 1700 2Hr

LC50 (ppm): no data

SKIN

May cause moderate to severe skin irritation with possible skin burns. Allergic reactions are possible and can be made worse by exposure to the sun. Contact with heated product may cause thermal burns. Harmful if absorbed through the skin. Skin absorption of material may produce systemic toxicity. Draize Skin Score: no data out of 8.0
LD50 (mg/kg): 3000

EYES

Contact with the eye may cause moderate to severe irritation.

INGESTION

Substance may be harmful if swallowed. Moderately toxic. Ingestion of this material may cause gastrointestinal pain, vomiting, diarrhea, and possible weakness and collapse.

LD50 (g/kg): 3.25

4. FIRST AID MEASURES

INHALATION

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and continue to monitor. Get immediate medical attention.

SKIN

Wash with soap and water. Get medical attention if irritation develops or persists. Remove contaminated clothing and wash before reuse.

EYES

Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

INGESTION

If swallowed, immediately contact a Poison Control Center. Get immediate medical attention. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

The following media may be used to extinguish a fire involving this material:

Water spray Alcohol resistant foam Carbon dioxide Dry chemical

FIRE FIGHTING INSTRUCTIONS

Wear self-contained breathing apparatus (SCBA) when fire fighting in a confined space. Wear structural fire fighting gear. Use water spray to cool fire exposed tanks and containers.

FLAMMABLE PROPERTIES

Typical Minimum Maximum Text Result Units Method

Flash Point 400 F COC

Autoignition Temperature no data F N/A

Lower Explosion Limit no data % N/A

Upper Explosion Limit no data % N/A

6. ACCIDENTAL RELEASE MEASURES

Prevent ignition, stop leak and ventilate the area. Vacuum or sweep up material and place in a disposal container. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Allow material to solidify, and scrape up. Use appropriate respiratory protection and protective clothing for a large spill, leak or release.

7. HANDLING AND STORAGE

HANDLING

Follow all MSDS/label precautions even after container is emptied because they may retain product residue. Avoid contact with eyes, skin, and clothing. Avoid breathing vapors from heated material. Use with adequate ventilation.

Wash thoroughly after handling.

STORAGE

Store in a cool dry place. Do not store with strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Consult With a Health and Safety Professional for Specific Selections

ENGINEERING CONTROLS

Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. Good general ventilation should be sufficient to control airborne levels.

PERSONAL PROTECTION

EYE PROTECTION

Splash proof chemical goggles are recommended to protect against the splash of product.

GLOVES or HAND PROTECTION Protective gloves are recommended to protect against contact with product.

RESPIRATORY PROTECTION Use only NIOSH certified respiratory equipment. Half-mask air purifying respirator with dust / mist filters or HEPA filter cartridges is acceptable for exposures to ten (10) times the exposure limit. Full-face air purifying respirator with dust / mist filters or HEPA filter cartridges is acceptable for exposures to fifty (50) times the exposure limit.

OTHER Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Property Typical Units Text Result Reference

Appearance other White solid
Boiling Point 428 F @ 4 mm H
Bulk Density lb/gal no data
Melting Point 595.4 F
Molecular Weight other no data
Octanol/Water 3.32 other log Kow
Coefficient
pH other no data
Specific Gravity 1.195 other @ 25 deg C
Solubility In Water wt % <0.18/100 g
Odor other Mild phenolic
Odor Threshold other no data
Vapor Pressure psia < 1.0 mm H
Viscosity (F) other no data
Viscosity (C) other no data
%Volatile 100 wt %

10. STABILITY AND REACTIVITY

STABILITY

Stable

CONDITIONS TO AVOID

none known

INCOMPATIBILITY

Strong oxidizers Acetaldehyde

HAZARDOUS DECOMPOSITION PRODUCTS

Combustion may produce carbon monoxide, carbon dioxide and other asphyxiants.

Aldehydes Organic materials

HAZARDOUS POLYMERIZATION

Will not occur

11. ECOLOGICAL INFORMATION

This material is expected to be toxic to aquatic organisms. This product is not expected to persist in the environment. Terrestrial Fate: If BPA is released to soil, it is expected to have moderate to low mobility because of its water solubility. It may biodegrade under aerobic conditions following acclimation. Aquatic Fate: If BPA is released to acclimated water, biodegradation would be the dominant fate (half-life less than or equal to 4 days). Atmospheric Fate: BPA is expected to exist almost entirely in the particulate phase in the atmosphere. Particles may be removed from the atmosphere by dry deposition or photolysis.

12. DISPOSAL CONSIDERATIONS

Contract to authorized disposal service. Follow federal, state and local regulations.

13. TRANSPORT INFORMATION

Governing Body Mode Proper Shipping Name

DOT Ground Not Regulated

Governing Body Mode Hazard Class UN/NA No. Label

DOT Ground N/A N/A

14. REGULATORY INFORMATION

Regulatory List Component CAS No.

Canada - WHMIS: Ingredient Disclosure BISPENOL A 80-05-7

CERCLA/SARA - Section 313 - Emission Reporting BISPENOL A 80-05-7

Inventory - Canada - Domestic Substances List BISPENOL A 80-05-7

Inventory -European EINECS Inventory BISPENOL A 80-05-7

Inventory - Japan - (ENCS) BISPENOL A 80-05-7

Inventory - Korea - Existing and Evaluated BISPENOL A 80-05-7

Inventory - TSCA - Sect. 8(b) Inventory BISPENOL A 80-05-7

Massachusetts Right To Know List BISPENOL A 80-05-7

New Jersey - Department of Health RTK List BISPENOL A 80-05-7

Pennsylvania Right to Know List BISPENOL A 80-05-7
Title III Classifications Sections 311,312:
Acute: YES
Chronic: YES
Fire: NO
Reactivity: NO
Sudden Release of Pressure: NO

15. OTHER INFORMATION

Follow all MSDS/label precautions even after container is emptied because they may retain product residue.

16. Disclaimer

The information contained herein is based on data considered to be accurate based on the material as packaged. However, no warranty is expressed regarding the accuracy of these data or the results to be obtained from the use thereof. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It is the user's obligation to determine the conditions of safe use of the product. While this MSDS is based on technical data judged to be reliable, PHARMCO-AAPER assumes not responsibility for the completeness or accuracy of the information contained herein.