




SHRINE CHEMICALS

SAFETY DATA SHEET

1、 Product and Company Identification

Product name : BisPhenol-A
Synonyms : Phenol,4,4-(1-Methylethylidene)Bis-,4,4'-Isopropylidenebisphenol
Recommended use and restrictions on use :In the manuf of epoxy resins and polycarbonates.As fungicide
Supplier detail : Shrine Chemicals
E-mail : info@shrinechemicals.com
TEL : 043973989
Emergency phone number : Tel : +971 043973989

2、 Hazard Identification

Hazard classification : Acute toxicity-oral,cat.5/Acute toxicity-dermal.cat.5/Eye damage,irritation,cat.1/Skin sensitization,cat.1/Reproductive toxicity cat.2/Specific target organ toxicity,single exposure,cat.3/Hazardous to the aquatic environment,acute toxicity,cat.2
Warning information
GHS label : corrosion,Health Hazard,Exclamation mark 
Signal word : Danger
Hazard statement : May be harmful if swallowed.May be harmful in contact with skin.Causes serious eye damage.May cause an allergic skin reaction.Suspected of damage fertility.May cause respiratory irritation.Toxic to aquatic life.
Precautionary statement : Specific treatment(see...on this label).Wash contaminated clothing before reuse.Immediately call a POISON CENTER or doctor/physician.Call a POISON CENTER or doctor/physician if you feel unwell.Obtain special instructions before use.Do not handle until all safety precautions have been read and understood.
Other hazards : Danger of dust explosion when ground to a small particle size.

3、 Composition/Information on Ingredients

- Substances ○Mixture

4 · First-aid Measures

First-aid measures for different exposure routes :
Inhalation : Remove to fresh air
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.
Most important symptoms and hazardous effects : Serious harmful to eyes and skin.
Protective equipment for first-aiders :
Notes to physician : Symptoms : Irritation of the skin,eyes and respiratory tract. Treatment : Dermatitis may result from prolonged or repeated exposure.If skin sensitization has developed and a causal relationship has been confirmed,further exposure should not be allowed.

5 · Fire-Fighting Measures

Extinguishing Media : Foam,water spray or fog.Dry chemical powder,carbon dioxide,sand or earth may be used for small fires only
Fire and Explosion Hazards : Not classified as flammable but will burn.Hazardous combustion products may include carbon monoxide Explosive dust clouds may be produced.
Special Firefighting Procedures : No information
Special equipment for the protection of Firefighters : Full protective clothing and self-contained breathing apparatus.

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.

Methods for Cleaning up :

Small spillage : shovel up and place in a labeled,sealable container for subsequent safe disposal.

Large spillage : Transfer to a labeled container for product recovery or safe disposal.

7、Safe Handling and Storage Measures

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 :

Use nitrogen blanketing or tank air/desiccant dryers.

Storage temperature : $\leq 60^{\circ}\text{C}$

8、Exposure Control/Personal Protection

Control parameters :

Wear dust-tigh monogoggles,PVC gloves,gauntlet type,disposable one-piece uncoated overall without integral hood,safety shoes or boots-chemical resistand if there is a risk of inhalation of dusts,wear a NIOSH approved respirator with P100 filters.

Control Parameters

8 hours time weighted average exposure limits TWA	Short-term exposure limits STEL	Maximum exposure limits CEILING	Biological standards
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Personal protective equipment :

Eyeglasses,glove,helmet,mask,safety shower,eye wash fountain.

- Respiratory protection :
- Hand protection : Gloves
- Eye protection : goggle
- Skin and body protection : Wear appropriate protective gloves and clothing prevent and minimize contact with skin.

Specific hygiene measures : No information available

9、Physical and Chemical Properties

Appearance(physical state,color,etc.) : Prill ; White Colour	Odor : Mild Phenolic
Odor threshold : --	Melting point : $156\sim 157^{\circ}\text{C}$
pH : No information available	Boiling point/boiling Range : 220°C (5hpa) $^{\circ}\text{C}$
Flammability : --	Flash point & method : 227°C used : closed cup

Decomposition temperature : -	
Autoignition temperature : --	Explosion limits : No information available
Vapor pressure : 5.2 mmHg@220°C	Vapor density : 7.9
Density : 1.195 (water=1)	Solubility : acetone, Alcohol
Partition coefficient n-octanol/water : 3.32	Evaporation rate : --

10、Stability and Reactivity

Stability : Stable under normal conditions.
Possible Hazardous Reaction Occurring under Specific Condition : Stable under normal use conditions
Conditions to Avoid : None known.
Materials to Avoid : None known.
Hazardous Decomposition Products : None expected under normal use conditions.

11、Toxicological Information

Routes of exposure(inhalation, ingestion, skin and eye contact) : Inhaled, swallowed, keep in touch with eyes, touch SKIN
Symptoms : --
Acute toxicity : Low toxicity, LD50 > 2000 mg/kg.
Chronic Toxicity or delayed Toxicity : May cause skin sensitization.

12、Ecological Information

Ecotoxicity : LC50 (fish) : 42 mg/L/96H EC50 (Aquatic Invertebrates) : -- BCF : < 42-96
Persistence and degradability : No information
Bioaccumulative potential : --
Mobility in soil : --
Other adverse effect : --

13、Disposal Considerations

Recommended Methods for Safe and Environmentally Preferred 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.

14、Transport Information

UN number : NOT REGULATED FOR TRANSPORT	
UN proper shipping name : --	
Transport hazard class : --	
Packing group : --	
Marine pollution : NO	
Specific precautionary transport measures and conditions : --	

15、Regulatory Information

<p>National and/or international regulatory information</p> <ul style="list-style-type: none"> ● POPs Management Law Not applicable ● Information of EU Classification Classification - [4,4'-(1-Methylethylidene)bisphenol ; 4,4'-Dihydroxydiphenylpropane, Bisphenol A] : Repr. Cat. 3; R62 Xi; R37-41 R43 R52 Risk Phrases - [4,4'-(1-Methylethylidene)bisphenol ; 4,4'-Dihydroxydiphenylpropane, Bisphenol A] : R37, R41, R43, R62, R52 Safety Phrase - [4,4'-(1-Methylethylidene)bisphenol ; 4,4'-Dihydroxydiphenylpropane, Bisphenol A] : S2, S26, S36/37, S39, S46, S61 ● U.S. Federal regulations OSHA PROCESS SAFETY (29CFR1910.119): Not applicable CERCLA Section 103 (40CFR302.4) Not applicable EPCRA Section 302 (40CFR355.30) Not applicable EPCRA Section 304 (40CFR355.40) Not applicable EPCRA Section 313 (40CFR372.65) - [4,4'-(1-Methylethylidene)bisphenol ; 4,4'-Dihydroxydiphenylpropane, Bisphenol A] : Applicable ● Rotterdam Convention listed ingredients Not applicable ● Stockholm Convention listed ingredients Not applicable ● Montreal Protocol listed ingredients Not applicable

16 · Other Information

Literature references	THE MERCK INDEX / ChemFinder Net Version 7.0.2 Manuf from phenol and acetone : Jansen, US 2468982 (1949) ; Faith, Keyes & Clark's Industrial Chemical, F. A. Lowenheim, M. K. Moran, Eds. (Wiley-Interscience, New York, 4 th ed., 1975) pp 149-152. Review : Chem. & Eng. News 41, 35 (June 3, 1963) ; <i>ibid.</i> 51, 5 (July 16, 1973).
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