



## SAFFTY DATA SHEET

### According to GHS Globally Harmonised System

NO:VL-2020

PBZ

#### 1. Chemical Product

**MSDS Name:** 4-Benzoylbiphenyl 99% (gc)

**Synonym:** 4-Phenylbenzophenone; (1,1'-Biphenyl)-4-yl)phenylmethanone

#### 2. COMPOSITION / INFORMATION ON INGREDIENTS

**CAS#:** 2128-93-0

**Chemical Name:** 4-Benzoylbiphenyl

**content:** 99.0

**EINECS#:** 218-345-2

**Hazard Symbols:** None listed.

**Risk Phrases::** None listed.

#### 3. HAZARDS IDENTIFICATION

**Eye:** May cause eye irritation.

**Skin:** May cause skin irritation.

**Ingestion:** May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated

**Inhalation:** May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated..

**Chronic:** No information found

#### 4. FIRST AID MEASURES

**Eyes::** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**Skin:** Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

**Ingestion:** Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**Notes to Physician:**



## 5. FIRE FIGHTING MEASURES

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Extinguishing Media:** Use agent most appropriate to extinguish fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam..

## 6. ACCIDENTAL RELEASE MEASURES

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions.

**Provide ventilation:**

## 7. HANDLING AND STORAGE

**Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

**Storage :** Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls::** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

**Exposure Limits CAS# 2128-93-0:** Personal Protective Equipment Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** Wear a chemical apron.

**Respirators:** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use. Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Crystalline powder

**Color:** beige buff

**Odour:** None reported

**pH:** Not available.

**Vapor Pressure:** Not available.

**Viscosity:** Not available.

**Boiling Point:** 419.0 - 420.0 deg C @ 760.00m

**Freezing/Melting Point:** 100.00 - 103.00 deg C

**Autoignition Temperature:** Not available

**Flash Point:** Not available.

**Explosion Limits Lower:** Not available.

**DecompositioTemperature:**

**Explosion Limits: Upper:** Not available.

**Decompositio Temperature:**

**Solubility in water:**

**Specific Gravity/Density:**

**Molecular Formula:** C<sub>19</sub>H<sub>14</sub>O

**Molecular Weight** 258.32

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal temperatures and pressures.

**Conditions to Avoid:** Incompatible materials, dust generation, strong oxidants

**Incompatibilities with Other** Oxidizing agents

**Materials:**

**Hazardous Decomposition** Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide

**Products:**

**Hazardous Polymerization:** Has not been reported.

## 11. TOXICOLOGICAL INFORMATION

**RTECS#:**

**CAS# 2128-93-0:** Not available.

**Carcinogenicity:** 4-METHYLBENZOPHENONE - Not listed as a carcinogen by ACGIH,



IARC, or NTP.

**Other:** See actual entry in RTECS for complete information.

#### 12. ECOLOGICAL INFORMATION

Other No information available:

#### 13. DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations..

#### 14. TRANSPORT INFORMATION

**IATA:** Not regulated as a hazardous material.

**IMO:** Not regulated as a hazardous material.

**RID/ADR:** Not regulated as a hazardous material.

#### 15. REGULATORY INFORMATION

##### European/International Regulations:

##### European Labeling in Accordance with EC Directives:

**Hazard Symbols:** Not available.

##### **Risk Phrases:**

**Safety Phrases:** S 24/25 Avoid contact with skin and eyes.

S 28A After contact with skin, wash immediately with plenty of water.

S 37 Wear suitable gloves.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

##### **WGK (Water Danger/Protection):**

**CAS# 2128-93-0:** 2

**CAS# 2128-93-0 is listed on Canada's  
NDSL List.**

**CAS# 2128-93-0 is not listed on  
Canada's Ingredient Disclosure  
List:**

**TSCA:** CAS# 2128-93-0 is listed on the TSCA inventory.