Material Safety Data Sheet
1,3-Diphenylisobenzofuran, 99+%  

MSDS# 41317

Section 1 - Chemical Product and Company Identification
MSDS Name: 1,3-Diphenylisobenzofuran, 99+%  
Catalog Numbers: AC1475800000, AC1475800010, AC1475800050  
Synonyms: 2,5-Diphenyl-3,4-Benzofuran; DIB.  
Company Identification: Acros Organics BVBA  
Janssen Pharmaceuticaalaaan 3a  
2440 Geel, Belgium  
Company Identification: (USA) Acros Organics  
One Reagent Lane  
Fair Lawn, NJ 07410  
For information in the US, call: 800-ACROS-01  
For information in Europe, call: +32 14 57 52 11  
Emergency Number, Europe: +32 14 57 52 99  
Emergency Number US: 201-796-7100  
CHEMTREC Phone Number, US: 800-424-9300  
CHEMTREC Phone Number, Europe: 703-527-3887

Section 2 - Composition, Information on Ingredients
CAS#: 5471-63-6  
Chemical Name: 1,3-Diphenylisobenzofuran  
%: 99+  
EINECS#: 226-808-5

Hazard Symbols: None listed  
Risk Phrases: None listed

Section 3 - Hazards Identification
EMERGENCY OVERVIEW
Caution! Light sensitive. Air sensitive. The toxicological properties of this material have not been fully investigated. May cause eye and skin irritation. May cause respiratory and digestive tract irritation. Target Organs: No data found.

Potential Health Effects
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.

Section 4 - First Aid Measures
Eyes: 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. Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If
Ingestion: 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.

Section 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:
- Autoignition Temperature: Not applicable.
- Flash Point: Not applicable.
- Explosion Limits: Not available
  - Lower:
  - Upper:
- NFPA Rating:
  - Health: 1
  - Flammability: 0
  - Instability: 0

Section 6 - Accidental Release Measures

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

Spills/Leaks:
- Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation. Place under an inert atmosphere.

Section 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. Store protected from light. Handle under an inert atmosphere. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

Storage: Keep refrigerated. (Store below 4°C/39°F.) Do not expose to air. Store protected from light. Store under an inert atmosphere.

Section 8 - Exposure Controls, Personal Protection

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>NIOSH</th>
<th>OSHA - Final PELs</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,3-Diphenylisobenzofuran</td>
<td>none listed</td>
<td>none listed</td>
<td>none listed</td>
</tr>
</tbody>
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OSHA Vacated PELs: 1,3-Diphenylisobenzofuran: None listed

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

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: 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.
Section 9 - Physical and Chemical Properties

Physical State: Solid
  Color: yellow to green
  Odor: None reported.
  pH: Not available
  Vapor Pressure: Not available
  Vapor Density: Not available
  Evaporation Rate: Not available
  Viscosity: Not available
  Boiling Point: Not available
  Freezing/Melting Point: 128.00 - 130.00 deg C
  Decomposition Temperature: Not available
  Solubility in water: Not available
  Specific Gravity/Density:
    Molecular Formula: C20H14O
    Molecular Weight: 270.32

Section 10 - Stability and Reactivity

Chemical Stability:
  Stable under normal temperatures and pressures.

Conditions to Avoid:
  Incompatible materials, light, dust generation, exposure to air, excess heat, strong oxidants.

Incompatibilities with Other Materials
  Air.

Hazardous Decomposition Products
  Carbon monoxide, carbon monoxide, carbon dioxide.

Hazardous Polymerization
  Has not been reported.

Section 11 - Toxicological Information

RTECS#:  CAS# 5471-63-6: None listed
LD50/LC50:  RTECS: Not available.
Carcinogenicity: 1,3-Diphenylisobenzofuran - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Section 12 - Ecological Information

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

Section 13 - Disposal Considerations

US DOT
  Shipping Name: Not regulated as a hazardous material
  Hazard Class:
  UN Number:
  Packing Group:

Canada TDG
  Shipping Name: Not available
  Hazard Class:
  UN Number:
  Packing Group:

Section 14 - Transport 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# 5471-63-6: Not available

Canada
Canadian WHMIS Classifications: Not available
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.
CAS# 5471-63-6 is not listed on Canada's Ingredient Disclosure List.

US Federal
TSCA
CAS# 5471-63-6 is not listed on the TSCA Inventory. It is for research and development use only.

Section 16 - Other Information
MSDS Creation Date: 9/02/1997
Revision #9 Date 7/20/2009

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantibility or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

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