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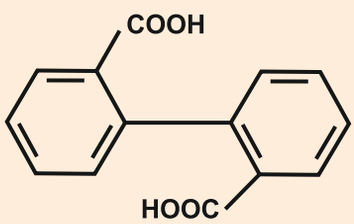
DIPHENIC ACID (BIPHENYL-2,2'DICARBOXYLIC ACID)

1. STRUCTURE



2. PRODUCT NAME & DETAILS

Diphenic Acid (Biphenyl-2,2'dicarboxylic Acid)

Product Code	**: 003993**
CAS No.	**: 482-05-3**
HS Code	**: 2917.39.90**
Molecular formula	**: $C_{14}H_{10}O_4$**
Molecular weight	**: 242.230**

3. REGULATORY INFORMATION

Chemical name	Common names and synonyms	CAS number	EC number
Diphenic Acid	Biphenyl-2,2'-dicarboxylic acid	482-05-3	207-576-4

European Inventory of Existing Commercial Chemical Substances (EINECS)	Listed
EC Inventory	Listed
United States Toxic Substances Control Act (TSCA) Inventory	Listed
China Catalog of Hazardous chemicals 2015	Not Listed
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)	Listed
Korea Existing Chemicals List (KECL)	Listed
Canadian Domestic Substance List (DSL)	Not Listed
Canadian Non-Domestic Substance List (NDSL)	Listed
Japanese Existing and New Chemical Substances Inventory (ENCS)	Listed

4. SPECIFICATION

Physical Appearance	**: Off White To Brownish Powder**
Melting Point	**: 232 - 235 °C**
Moisture Content (KF)	**: NMT 0.5 %**
Solubility 2.5% in Methanol	**: Clear Solution**
Assay (by Titration, Acidimetry)	**: NLT 99 - 101%**
Assay (GLC)	**: NLT 99%**

Disclaimer
Typical properties should not be considered as specification.
Product covered by valid patents are not offered or supplied for commercial use. The Patent position should be verified by the customer.
Products will not be supplied to countries where they could be in conflict with existing patents.
Products currently covered by valid US patents are offered for R&D use in accordance with 35 USC 271 (e) (I)
Above information is given in good faith and without warrenty.

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5. APPLICATION

- Used In Fine Chemical & Intermediates.

- It is intermediate of Azapetine which is sympathomimetic/Vasodilator.

- It is used in the synthesis of dyes. Diphenic acid derivatives have attracted great attention due to its possession of useful therapeutic properties. Many diphenic acids derivatives have the potential of lowering the risk of chronic diseases such as cancer, cardiovascular diseases and other pathologies. It is applied in many herbs and components of food. Diphenic acids derivatives can usually be found in fruits like blackberry, raspberry and strawberry.

6. HAZARD CLASSIFICATION : Non-Hazardous Substance.

Irritant

7. ANNUAL CAPACITY : 6 MT.

8. STORAGE CONDITION : Store in closed container at ambient temperature. Avoid direct sunlight.

9. PACKING DEATILS : Outer Packing : 5 Kg HDPE Open Mouth Jerry Can
Inner Packing : Double H.M.Bag (White & Black)

10. SHELF LIFE : 3 years.

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