**Sarex Overseas** (A division of Sarex Organics Pvt. Ltd.)
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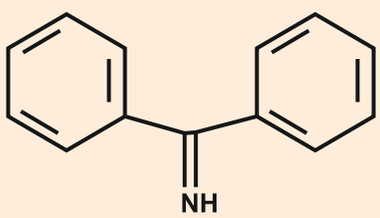
# BENZOPHENONEIMINE

## 1. STRUCTURE




## 2. PRODUCT NAME & DETAILS

**Benzophenoneimine**

| | |
|---|---|
| Product Code | **: 003234** |
| CAS No. | **: 1013-88-3** |
| HS Code | **: 2925.29.90** |
| Molecular formula | **: $C_{13}H_{11}N$** |
| Molecular weight | **: 181.230** |

## 3. REGULATORY INFORMATION

| Chemical name | Common names and synonyms | CAS number | EC number |
|---|---|---|---|
| Benzophenoneimine | 1,1-diphenylmethanimine | 1013-88-3 | 440-870-2 |

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

## 4. SPECIFICATION

| | |
|---|---|
| Physical appearance | **: Clear colourless to pale yellow liquid** |
| Moisture content (KF) | **: NMT 0.30%** |
| Purity (GC) | **: NLT 95.0%** |
| Impurity benzophenone (GC) | **: NMT 4.50%** |
| Impurity benzonitrile (GC) | **: NMT 0.20%** |
| Any single unknown impurity (GC) | **: NMT 0.50%** |

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# BENZOPHENONEIMINE

## 5. APPLICATION

- Used in Fine chemical for industrial application.
- It is Intermediate of Aplaviroc API exhibit Antagonist.
- Benzophenone imine is widely used as a reagent for the protection of primary amines, and the starting materials to synthesize aniline.
- As intermediate material for synthesis of organic chemicals. Catalytic enantioselective alkylation of the benzophenone imine of glycine t-butyl ester using phosphazene (Schwesinger) bases and chiral quaternary ammonium salts yields either enantiomer of amino acid derivatives in excellent yield.
- Useful in the preparation of nitrile yield dimmers.

**6. HAZARD CLASSIFICATION** : Non- Hazardous substance.

**Irritant**

**7. ANNUAL CAPACITY** : 75 MT.

**8. STORAGE CONDITION** : Store in closed container at cool and dry place. Avoid direct sun light. Product is moisture sensitive. Avoid exposure to air and moisture.

**9. PACKING DETAILS** : 200 kg in steel barrel.

**10. SHELF LIFE** : 1 year in closed container.