

Technical information

BIPHENYL

| | | | |
|-------------|---|-------------------|-----------|
| Synonyms: | diphenyl, lemonene, phenyl benzene, dibenzene | | |
| CAS number: | 92-52-4 | EINECS number: | 202-163-5 |
| Formula: | C ₁₂ H ₁₀ | Molecular weight: | 154.2 |
| HTS number: | 29029030 | TSCA | |

SPECIFICATION

| | |
|----------------|-----------------------------------|
| Appearance: | colorless to pale yellow crystals |
| Melting point: | min. 68 °C |
| Purity | min. 99.7 % |
| Water | zero |
| Ash | max. 0.01% |

PROPERTIES

| | |
|---------------|---|
| Melting point | 70 °C |
| Odor | pleasant, aromatic |
| Density | 0.99 |
| Boiling point | 255 °C at 760 mm Hg (sublimes) |
| Flash point | 113 °C |
| Solubility | organic solvents soluble water insoluble |

Stability under inert atmosphere: unchanged at > 300 °C

PACKING

20 kg bags on pallets

HEALTH & SAFETY, SHIPPING

| | |
|------------------|---|
| RID/ADR | 9/12c |
| Classification | X _i – irritant N – dangerous to the environment |
| Codes / markings | R 36/37/38-50/53 S 23/60/61 |
| UN nr | 3077 |



APPLICATIONS

- Heat-transfer agent
- Fungistat in packaging citrus fruit. (E230)
- Plant disease control
- Manufacture of benzidine, chlorodiphenyl, diflunisal, fenbufen.
- Dye carrier
- LCD manufacture

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