

Common Name: **TERPHENYLS (mixed isomers)**

Synonyms: Diphenylbenzenes

CAS No: 26140-60-3

 Molecular Formula:  $C_6H_5C_6H_4C_6H_5$ 

RTK Substance No: 3650

Description: Colorless or light-yellow solids

**HAZARD DATA**

Hazard Rating	Firefighting	Reactivity
<b>1 - Health</b> <b>1 - Fire</b> <b>0 - Reactivity</b>  DOT#: N/A ERG Guide #: N/A Hazard Class: N/A	- May burn, but do not readily ignite. - Use dry chemical, CO <sub>2</sub> , water spray, an alcohol-resistant foam or other foaming agent. - POISONOUS GASES ARE PRODUCED IN FIRE. - CONTAINERS MAY EXPLODE IN FIRE. - Use water spray to keep fire-exposed containers cool.	- Incompatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE).

**SPILL/LEAKS**
**Isolation Distance:** 25 meters (75 feet)

- Vacuum or sweep spilled material into containers.
- This chemical can bioaccumulate in fish.

**PHYSICAL PROPERTIES**

<b>Odor Threshold:</b>	No Information
<b>Flash Point:</b>	325°F – 405°F (163°C – 207°C)
<b>LEL:</b>	N/A
<b>UEL:</b>	N/A
<b>Vapor Density:</b>	7.9 (air = 1)
<b>Vapor Pressure:</b>	0.01 mm Hg at 68°F (20°C)
<b>Water Solubility:</b>	Insoluble
<b>Boiling Point:</b>	630°F (332°C)
<b>Melting Point:</b>	133°F – 415°F (56°C – 213°C)

**EXPOSURE LIMITS**

<b>OSHA PEL:</b>	9 mg/m <sup>3</sup> Ceiling
<b>NIOSH REL:</b>	5 mg/m <sup>3</sup> Ceiling
<b>ACGIH TLV:</b>	5 mg/m <sup>3</sup> Ceiling
<b>IDLH LEVEL:</b>	500 mg/m <sup>3</sup>

**PROTECTIVE EQUIPMENT**

<b>Gloves:</b>	Rubber
<b>Coverall:</b>	No Information
<b>Boot:</b>	No Information
<b>Respirator:</b>	>5 mg/m <sup>3</sup> N95 (If heat is involved use an Organic Vapor Cartridge along with an N95) >50 mg/m <sup>3</sup> SA

**HEALTH EFFECTS**

<b>Eyes:</b>	Irritation, burning
<b>Skin:</b>	Irritation, burning
<b>Acute:</b>	Nose, throat, and lung irritation with coughing, and shortness of breath
<b>Chronic:</b>	Cancer – Not Tested Can affect the liver and kidneys

**FIRST AID AND DECONTAMINATION**

- Flush eyes with cool water for at least 15 minutes.
- Remove contaminated clothing and wash contaminated skin with soap and water.
- Remove person from exposure.
- Transfer to a medical facility.