

Common Name: **4-AMINODIPHENYL**

Synonyms: 4-Phenylaniline; 4-Aminobiphenyl

CAS No: 92-67-1

 Molecular Formula: C₆H₅C₆H₄NH₂

RTK Substance No: 0072

Description: Colorless to tan, crystalline solid

HAZARD DATA

Hazard Rating	Firefighting	Reactivity
4 - Health 1 - Fire 0 - Reactivity DOT#: None ERG Guide #: N/A Hazard Class: N/A	Use dry chemical, CO ₂ , water spray, alcohol-resistant foam or other foam as extinguishing agents. POISONOUS GASES ARE PRODUCED IN FIRE, including <i>Nitrogen Oxides</i> .	4-Aminodiphenyl may react violently with STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC); OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); and HEXANITROETHANE. 4-Aminodiphenyl is not compatible with ANHYDRIDES; ORGANIC SUBSTANCES (such as CRESOLS, ISOCYANATES, KETONES, and ALDEHYDES); METALS (such as ALUMINUM, COPPER, ZINC and their ALLOYS); and GALVANIZED STEEL.

SPILL/LEAKS
Isolation Distance: 25 meters to 50 meters (80 to 160 feet)

Moisten spilled material first or use a HEPA-filter vacuum for clean-up.

PHYSICAL PROPERTIES

Odor Threshold:	Floral odor
Flash Point:	>230° F (110 °C)
LEL:	No information
UEL:	No information
Vapor Density:	5.8 (air = 1)
Vapor Pressure:	1 mm Hg at 227°F (108.3°C)
Water Solubility:	Slightly soluble
Boiling Point:	576°F (302°C)
Specific Gravity:	1.16

EXPOSURE LIMITS

OSHA:	Eliminate exposure
NIOSH:	Lowest feasible exposure
ACGIH:	Lowest level possible
IDLH LEVEL:	No information

PROTECTIVE EQUIPMENT

Gloves:	<i>Silver Shield® (for aromatic Amines)</i>
Coveralls:	<i>DuPont Tychem® Polycoat, QC, CPF1, SL and CPF2 (for hazardous dry powders and solids)</i>
Boots:	No information
Respirator:	Supplied air

HEALTH EFFECTS

Eyes:	Irritation
Skin:	Irritation
Acute:	Headache, dizziness, blue color to the skin and lips, trouble breathing, collapse, and even death
Chronic:	Cancer (bladder)

FIRST AID AND DECONTAMINATION

Remove the person from exposure.

Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses if worn.

Remove contaminated clothing. Wash contaminated skin with soap and water.

Begin artificial respiration if breathing has stopped and CPR if necessary.

Transfer to a medical facility.