

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

MSDS Name: 4-Phenyl-2-butylamine

Synonyms: Not available.

Company Identification: PI Chemicals Ltd.

Building B, 633 E Shan Road, Pudong New Area

Shanghai 200127, China

 Telephone Number:
 86-21-58953700

 Fax Number:
 86-21-58953701

Section 2 - Product Information

Catalog Number: PI-33450
CAS Number: 22374-89-6
MDL Number: MFCD00008090

EC Number: 244-942-2 Purity: 98.0%

Section 3 - Physical and Chemical Properties

Physical state: Liquid

Colorless clear

Molecular Formula: $C_{10}H_{15}N$ Molecular Weight: 149.23

Freezing/Melting Point: Undetermined
Boiling Point: 228-232 °C
Flash Point: 98 °C

Autoignition Temperature: Undetermined Refractive Index (nD20): Undetermined

Density: 0.922 g/mL at 25 °C(lit.)

Decomposition Temperature: Undetermined Solubility: Undetermined

Section 4 - Hazards Identification

Eye: Causes eye irritation.

Skin: Causes skin irritation. Harmful if absorbed through the skin.Ingestion: May cause irritation of the digestive tract. Toxic if swallowed.Inhalation: May be harmful if inhaled. Cause respiratory tract irritation.



Section 5 - First Aid Measures

Eye: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and

lower eyelids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of water and soap for at least 15 minutes while

removing contaminated clothing and shoes. Get medical aid if irritation develops and persists.

Ingestion: Get medical aid immediately. Wash mouth out with water.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial

respiration. If breathing is difficult, give oxygen. Get medical aid.

Section 6 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Materials to avoid: Strong acids.

Conditions to Avoid: Has not been reported.

Hazardous Decomposition Products: Carbon oxides, Nitrogen oxides (NOx).

Hazardous Polymerization: Has not been reported.

Section 7 - Handling and Storage

Handling: Avoid breathing dust, vapor, mist, or gas. Keep container tightly closed. Avoid contact with

skin and eyes. Wash thoroughly after handling. Mechanical exhaust required. Keep away from

sources of ignition - No smoking.

Storage: Store in a cool, dry place. Store in a tightly closed container. Containers which are opened

must be carefully resealed and kept upright to prevent leakage.

Section 8 - Personal Protection

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's

eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN

149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure

limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Fire and Explosion Hazard Data

General Information: As in any fire, wear a self-contained breathing apparatus, MSHA/NIOSH

(approved or equivalent) and protective clothing to prevent contact with skin

and eyes.

Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.



Section 10 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.

Section 11 - Toxicological Information

RTECS#: CAS# 22374-89-6: UI3920000

LD50/LC50: LD50 Parenteral - mouse - 100 mg/kg

Carcinogenicity: 4-Phenyl-2-butylamine - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop

65.

Section 12 - Environmental information

Not available

Section 13 - Disposal Consideration

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	Amines, liquid, corrosive, n.o.s.	Amines, liquid, corrosive, n.o.s.	Amines, liquid, corrosive, n.o.s.
	(4-Phenyl-2-butylamine)	(4-Phenyl-2-butylamine)	(4-Phenyl-2-butylamine)
Hazard Class:	8	8	8
UN Number:	2735	2735	2735
Packing Group:	III	III	III

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Signal word: Danger Hazard statement(s)

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

Risk Phrases:

R 22: Harmful if swallowed.

Safety Phrases:



S 36/37: Wear suitable protective clothing and gloves.

WGK (Water Danger/Protection) CAS# 22374-89-6: 3 Canada

CAS# 22374-89-6: Not available

US Federal

TSCA

CAS# 22374-89-6: is listed on the TSCA Inventory. It is for research and development use only.

Section 16 - Additional Information

MSDS Creation Date: Mar 15, 2006 Update: August 31, 2012

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