

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

MSDS Name: 4-Carboxybenzylamine
Synonyms:
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-13119
CAS Number: 56-91-7
MDL Number: MFCD00010203
EC Number: 200-297-9
Purity: 98%

Section 3 - Physical and Chemical Properties

Physical state: Powder
Color: White
Molecular Formula: C₈H₉NO₂
Molecular Weight: 151.16
Freezing/Melting Point: ≥300 °C(lit.)
Boiling Point: Undetermined
Flash Point: Undetermined
Autoignition Temperature: Undetermined
Refractive Index (n_D20): Undetermined
Density: Undetermined
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. Causes respiratory tract irritation.

Section 5 - First Aid Measures

<i>Eye:</i>	May cause eye irritation.
<i>Skin:</i>	May cause skin irritation.
<i>Ingestion:</i>	May be harmful if swallowed.
<i>Inhalation:</i>	Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.

Section 6 - Stability and Reactivity

<i>Chemical Stability:</i>	Stable under recommended temperatures and pressures.
<i>Materials to avoid:</i>	Strong oxidizing agents.
<i>Conditions to Avoid:</i>	Incompatible materials.
<i>Hazardous Decomposition Products:</i>	Carbon oxides, nitrogen oxides (NO _x).
<i>Hazardous Polymerization:</i>	Has not been reported.

Section 7 - Handling and Storage

<i>Handling:</i>	Avoid all direct contact with material. Wash thoroughly after handling. Have safety shower and eye wash available. Do not get in eyes, on skin, on clothing.
<i>Storage:</i>	Keep container tightly closed in a dry and well-ventilated place. Keep in a dry place.

Section 8 - Personal Protection

<i>Eyes:</i>	Wear appropriate protective eyeglasses.
<i>Skin:</i>	Wear appropriate protective gloves to prevent skin exposure.
<i>Clothing:</i>	Wear appropriate protective clothing to prevent skin exposure.
<i>Respirators:</i>	Use an approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Fire and Explosion Hazard Data

<i>General Information:</i>	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.
<i>Extinguishing Media:</i>	Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Section 10 - Accidental Release Measures

<i>General Information:</i>	Use proper personal protective equipment as indicated in Section 8.
<i>Spills/Leaks:</i>	Vacuum or sweep up material and place into a suitable disposal container.

Section 11 - Toxicological Information

RTECS#: CAS# 56-91-7: Not available.
LD50/LC50: RTECS: Not available.
Carcinogenicity: 4-Carboxybenzylamine
–Not listed as a carcinogen by ACGIH, IARC, NTP, or OSHA.

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: Not dangerous goods.
IMO: Not dangerous goods.
RID/ADR: Not dangerous goods.

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Xi

Indication of Danger: Irritant

Risk Phrases:

R 36/37/38: Irritating to eyes, respiratory system and skin.

Safety Phrases:

S 22: Do not breathe dust.

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

WGK (Water Danger/Protection)

CAS#56-91-7: 3.

Canada

CAS# 56-91-7: Not available.

US Federal

TSCA

CAS# 56-91-7 is not listed on the TSCA Inventory. It is for research and development use

only.

Section 16 - Additional Information

MSDS Creation Date: May 22, 2009
Update: October 12, 2010

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