

## **Material Safety Data Sheet**

## Section 1 - Chemical Product and Company Identification

MSDS Name:	3'-Trifluoromethylbiphenyl-4-carboxylic acid
Synonyms:	4-(3-Trifluoromethylphenyl)benzoic acid
<b>Company Identification:</b>	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-24199
CAS Number:	195457-70-6
MDL Number:	MFCD03424607
EC Number:	Not available
Purity:	96%

## Section 3 - Physical and Chemical Properties

Physical state:	Solid
Color:	Off-white
Molecular Formula:	$C_{14}H_9F_3O_2$
Molecular Weight:	266.22
Freezing/Melting Point:	Undetermined
Boiling Point:	Undetermined
Flash Point:	Undetermined
Autoignition Temperature:	Undetermined
Refractive Index (nD20):	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

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If inhaled:	If breathed in, move person into fresh air. If not breathing, give artificial
	respiration.
In case of skin contact:	Wash off with soap and plenty of water.
In case of eye contact:	Flush eyes with water as a precaution.
If swallowed:	Never give anything by mouth to an unconscious person. Rinse mouth with water.

## Section 6 - Stability and Reactivity

Chemical Stability:	Stable under recommended storage conditions.
Materials to avoid:	Oxidizing agents.
Conditions to Avoid:	Heat, flames and sparks.
Hazardous Decomposition Products:	Carbon monoxide, hydrogen fluoride .
Hazardous Polymerization:	Has not been reported.

## Section 7 - Handling and Storage

Handling:	Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for
	preventive fire protection.
Storage:	Keep container tightly closed in a dry and well-ventilated place.

#### Section 8 - Personal Protection

Eyes:	Wear appropriate protective eyeglasses.
Skin:	Wear appropriate protective gloves to prevent skin exposure.
Clothing:	Wear appropriate protective clothing to prevent skin exposure.
Respirators:	Use an 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, dry chemical, carbon dioxide, or appropriate foam.

## 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

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	Innovative	PI CHEMICALS LTD.
RTECS#:	CAS# 195457-70-6: Not available.	
LD50/LC50:	RTECS: Not available.	
Carcinogenicity:	3'-Trifluoromethylbiphenyl-4-carboxylic acid	
	–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.
<i>RID/ADR:</i>	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 36/37/39: Wear suitable protective clothing, gloves and eye/face protection.
S 45: In case of accident or if you feel unwell, seek medical advice immediately (show label
where possible)
WGK (Water Danger/Protection)

CAS# 195457-70-6: Not available.

#### Canada

CAS# 195457-70-6: Not available.

#### **US Federal**

#### TSCA

CAS# 195457-70-6 is not listed on the TSCA Inventory. It is for research and development use



only.

#### Section 16 - Additional Information

MSDS Creation Date:5 November, 2009Update:22 August, 2011

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