

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

MSDS Name: Alpha-Isopropyl-4-chlorophenylacetic acid
Synonyms: 2-(4-Chlorophenyl)-3-methylbutanoic acid
Company Identification: PI Chemicals Ltd.
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Pudong New Area, Shanghai China, 201203
Telephone Number: 86-21-58953700
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Section 2 - Product Information

Catalog Number: PI-26273
CAS Number: 2012-74-0
MDL Number: MFCD00037763
EC Number: 217-934-1
Purity: 98%

Section 3 - Physical and Chemical Properties

Physical state: Powder
Color: White or pale yellow crystalline
Odor: Not available
Molecular Formula: C₁₁H₁₃ClO₂
Molecular Weight: 212.67
Freezing/Melting Point: 85-88°C
Boiling Point: Not available
Flash Point: Not available
Autoignition Temperature: Not available
Refractive Index (nD20): Not available
Density: Not available
Decomposition Temperature: Not available
Solubility: Soluble in water

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

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

Section 6 - Stability and Reactivity

Chemical Stability:	Stable under recommended temperatures and pressures.
Materials to avoid:	Strong oxidizing agents, Strong acids.
Conditions to Avoid:	Incompatible materials.
Hazardous Decomposition Products:	Carbon oxides, hydrogen chloride.
Hazardous Polymerization:	Has not been reported.

Section 7 - Handling and Storage

Handling:	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.
Storage:	Store in low-temperature, Keep container tightly closed in a dry and well-ventilated place. Avoid sources of ignition, avoid touching with air and light.

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

RTECS#: CAS# 2012-74-0; ES8450000.

LD50/LC50: RTECS: Not available.

Carcinogenicity: Alpha-Isopropyl-4-chlorophenylacetic acid
–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: This substance is considered to be non-hazardous for transport.

IMO: This substance is considered to be non-hazardous for transport.

RID/ADR: This substance is considered to be non-hazardous for transport.

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

S 36: Wear suitable protective clothing.

WGK (Water Danger/Protection)

CAS#2012-74-0: 3.

Canada

CAS# 2012-74-0: Not available.

US Federal**TSCA**

CAS# 2012-74-0 is not listed on the TSCA Inventory. It is for research and development use only.

Section 16 - Additional Information

MSDS Creation Date: January 7, 2009

Update: April 18, 2010

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