



Wuhan Xinru Chemical Industry Co., Ltd

Add: Room 2805, North Fuxinhuiyu, Changqing Road, Wuhan, China 430015

Tel: +86-27-5984 3600 Fax: +86-27-6666 0488 E-mail: xinru01@whxinru.cn

MATERIAL SAFETY DATA SHEET

Product Identification

【Product Name】 4-Isopropylbenzoic acid

【Synonyms】

4-(1-Methylethyl)benzoic acid
4-Isopropylbenzoic acid
4-Propan-2-ylbenzoic acid
Cuminic acid
p-Isopropylbenzoic acid

【CAS】 536-66-3

【Formula】 C₁₀H₁₂O₂

【Molecular Weight】 164.2

【EINECS】 208-642-5

【RTECS】 DH3850500

【RTECS Class】 Drug

【Merck】 12,2684

【Beilstein/Gmelin】 1907514

【Beilstein Reference】 4-09-00-01843

Physical and Chemical Properties

【Appearance】

White to off-white powder crystalline powder.

【Solubility in water】 Soluble

【Melting Point】 115 - 117



Wuhan Xinru Chemical Industry Co., Ltd

Add: Room 2805, North Fuxinhuiyu, Changqing Road, Wuhan, China 430015

Tel: +86-27-5984 3600 Fax: +86-27-6666 0488 E-mail: xinru01@whxinru.cn

【Boiling Point】 272

【Vapor Pressure】 0.003 (25 C)

【Density】 1.162 g/cm³

【pKa/pKb】 4.35 (pKa)

【Partition Coefficient】 3.23

【Heat Of Vaporization】 53.9 kJ/mol

【Heat Of Combustion】 -5166 kJ/mol

First Aid Measures

【Ingestion】

Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

【Inhalation】

Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

【Skin】

Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

【Eyes】

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Handling and Storage

【Storage】

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.



Wuhan Xinru Chemical Industry Co., Ltd

Add: Room 2805, North Fuxinhuiyu, Changqing Road, Wuhan, China 430015

Tel: +86-27-5984 3600 Fax: +86-27-6666 0488 E-mail: xinru01@whxinru.cn

【Handling】

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Hazards Identification

【Inhalation】

Causes respiratory tract irritation. The toxicological properties of this substance have not been fully investigated. Can produce delayed pulmonary edema.

【Skin】 Causes skin irritation.

【Eyes】 Causes eye irritation. May cause chemical conjunctivitis.

【Ingestion】

May cause gastrointestinal irritation with nausea, vomiting and diarrhea. The toxicological properties of this substance have not been fully investigated.

Exposure Controls/Personal Protection

【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】

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

【Exposure Effects】 Effects may be delayed.

【Poison Class】 4

Fire Fighting Measures



Wuhan Xinru Chemical Industry Co., Ltd

Add: Room 2805, North Fuxinhuiyu, Changqing Road, Wuhan, China 430015

Tel: +86-27-5984 3600 Fax: +86-27-6666 0488 E-mail: xinru01@whxinru.cn

【Flash Point】 128

【Fire Fighting】

Wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing media: Use agent most appropriate to extinguish fire. In case of fire use water spray, dry chemical, carbon dioxide, or appropriate foam.

Accidental Release Measures

【Small spills/leaks】

Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, using the appropriate protective equipment. Avoid generating dusty conditions. Provide ventilation.

Stability and Reactivity

【Incompatibilities】

Oxidizing agents.

【Stability】

Stable at room temperature in closed containers under normal storage and handling conditions.

【Decomposition】

Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.