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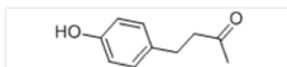
Chemical Book

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Frambinone(5471-51-2)

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[Frambinone\(5471-51-2\) More Suppliers](#)

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Product Identification

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【Product Name】

Frambinone

【Synonyms】

4-(4-Hydroxyphenyl)-2-butanone
 4-(4-Hydroxyphenyl)butan-2-one
 4-(p-Hydroxyphenyl)-2-butanone
 Oxyphenylon
 p-Hydroxybenzyl acetone
 Raspberry ketone

【CAS】

5471-51-2

【Formula】

C10H12O2

【Molecular Weight】

164.2

【EINECS】

226-806-4

【RTECS】

EL8925000

【RTECS Class】

Other

【Beilstein/Gmelin】

776080

【Beilstein Reference】

4-08-00-00506

Physical and Chemical Properties

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【Appearance】

White powder. Raspberry odor.

【Solubility in water】

Slightly soluble

【Melting Point】

83 - 84

【Boiling Point】

292

【Vapor Pressure】

0.001 (25 C)

【pKa/pKb】

10.18 (pKa)

【Partition Coefficient】

.94

【Heat Of Vaporization】

55.3 kJ/mol

【Usage】

The primary aroma compound of red raspberries. It is used in perfumery, in cosmetics, and as a food additive to impart a fruity odor.

【Vapor Density】

5.66

First Aid Measures[Back to Contents](#)**【Ingestion】**

Never give anything by mouth to an unconscious person. Get medical aid immediately. 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. DO NOT use mouth-to-mouth respiration.

【Skin】

Get medical aid immediately. 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 immediately.

Handling and Storage[Back to Contents](#)**【Storage】**

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

【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. Avoid ingestion and inhalation.

Hazards Identification[Back to Contents](#)**【Ingestion】**

May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful if swallowed.

【Inhalation】

May cause respiratory tract irritation. May cause irritation of the mucous membranes.

【Skin】

May cause skin irritation.

【Eyes】

May cause eye irritation.

【EC Risk Phrase】

R 22 36/37/38

【EC Safety Phrase】

S 26 36/37/39

Exposure Controls/Personal Protection[Back to Contents](#)**【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.

Fire Fighting Measures[Back to Contents](#)**【Flash Point】**

123

【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. To extinguish fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

Accidental Release Measures[Back to Contents](#)**【Small spills/leaks】**

Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.

Stability and Reactivity[Back to Contents](#)**【Stability】**

Stable under normal temperatures and pressures.

【Incompatibilities】

Strong oxidizing agents.

【Decomposition】

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