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Salicylaldehyde
(o-Hydroxybenzaldehyde)
Technical Data Sheet

Synonyms: o-Hydroxybenzaldehyde, 2-Formylphenol, Salicylal

CAS#: 90-02-8

Product ID: SAL-TG-441

Sales Specifications

Assay: 99.5% Min.

Phenol: 0.4% Max.

Appearance: Light-yellow liquid

Packing: 441 lbs. net drums

Physical Properties:

Appearance

Physical state: Liquid


Color: Colorless to pale yellow

Odor: Almond-like

Odor threshold: Not available

pH: Not available

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Melting point/freezing point: -7.2°C (19.04°F)

Initial boiling point/range: 197°C (387°F)

Flash point: 77°C (171°F)

Evaporation rate: Not available

Flammability (solid, gas): Not available

Flammability or explosive limits:

Lower: Not available

Upper: Not available

Vapor pressure: 1 mmHg at 33°C (91°F)

Vapor density: Not available

Relative density: 1.1674 @ 20°C.

Solubility: slightly soluble in water

Product Description:

Kessler Chemical is a leading supplier and distributor of high-purity Salicylaldehyde. Kessler Chemical works closely with leading suppliers to offer the high quality Salicylaldehyde that you need for your applications.

Salicylaldehyde is prepared from phenol and chloroform by heating with sodium hydroxide or potassium hydroxide in a Reimer-Tiemann reaction. Salicylaldehyde (HO-C₆H₄-CHO) is the common name for 2-hydroxybenzaldehyde, which is an oily organic liquid with bitter almond-like odor.

It is derived from benzene by replacing one hydrogen atom with an aldehyde group (-CHO) and another hydrogen atom with a hydroxyl group (-OH) on the adjacent carbon. This structure makes salicylaldehyde an excellent chelating agent and in ring-generating condensation chemistry.

Other important, non-chelate related organic syntheses using salicylaldehyde include condensation reactions. Salicylaldehyde is used in diverse industries such as pharmaceuticals, electronics, and lubricants.

Chemical producers and buyers rely on Kessler Chemical for their Salicylaldehyde needs. We offer the quality, availability and technical knowledge you are looking for in a Salicylaldehyde supplier. Let Kessler Chemical work for you!