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# Phenol, 2-methyl-

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This document provides a brief description of phenol, 2-methyl-, its uses, and the potential hazards associated with short and long term exposure. Environmental impact information for accidental releases is included. This information is general in nature and is not intended as a replacement for the safety data sheet (SDS), product label and other safe handling literature. For additional information consult the LANXESS Corporation safety data sheet.

## Identification

<b>Chemical Name:</b>	Phenol, 2-methyl-
<b>Synonym(s):</b>	2-Cresol o-Cresol 2-Methylphenol 1-Hydroxy-2-methylbenzene
<b>CAS Number:</b>	95-48-7
<b>Applicable LANXESS Materials:</b>	o-Cresol pure

## Description

<b>Overview:</b>	Phenol, 2-methyl- is a colorless crystalline organic substance possessing a phenolic odor at room temperature.								
<b>Uses:</b>	This material, as sold by LANXESS, may be used as an intermediate in polymerization. Application include the manufacture of dyestuffs, fungicides, and plastics, agriculture, acrylic dispersions, and chemical synthesis.								
<b>Properties:</b>	<table><tr><td><b>Solubility in Water:</b></td><td>26 g/L (25°C); soluble</td></tr><tr><td><b>Density:</b></td><td>1.05 g/cm<sup>3</sup> (20°C)</td></tr><tr><td><b>Vapor Pressure:</b></td><td>0.37 hPa (25°C)</td></tr><tr><td><b>Melting Point:</b></td><td>30.99°C (87.78 °F) 1013 hPa</td></tr></table>	<b>Solubility in Water:</b>	26 g/L (25°C); soluble	<b>Density:</b>	1.05 g/cm <sup>3</sup> (20°C)	<b>Vapor Pressure:</b>	0.37 hPa (25°C)	<b>Melting Point:</b>	30.99°C (87.78 °F) 1013 hPa
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## Potential Human Health Effects

### Occupational Exposure

Potential for occupational exposure exists during manufacture, and in unloading, storage, staging and transfer operations at facilities using the LANXESS material in the production of other products. A much lower potential for exposure exists in facilities using this substance in closed manufacturing processes by trained personnel.

### Employee Training

Workers handling the LANXESS manufactured material should be trained to implement proper handling procedures and to understand the potential health and physical hazards of this product. Process enclosures, local exhaust ventilation, or other engineering controls should be used to protect workers from potential airborne concentrations. When ventilation is insufficient, it is advised to wear NIOSH approved, air-purifying organic vapor respirator. In addition, it is recommended to use permeation resistant gloves, and work clothing and foot protection when handling the solid.

### Consumer Exposure

LANXESS Corporation does not sell Phenol, 2-methyl-, nor materials containing the substance, to the general public.

### Short-Term Health Effects

Phenol, 2-methyl- is harmful if ingested or inhaled. Symptoms of ingestion may include diarrhea, abdominal pain, or vomiting. Inhalation is unlikely due to low vapor pressure. However, inhalation may cause pulmonary edema with symptoms of coughing, difficulty breathing, and tightness in chest. This material is also corrosive to the skin, eyes, and mucous membranes. Contact may cause burns, swelling, and possible permanent damage.

### Long-Term Health Effects

No known significant long-term effects.

## Physical Hazards

This material is stable under normal conditions of use. Prevent contact with oxidizing agents. Heating to decomposition may release carbon monoxide and carbon dioxide.

## Potential Environmental Impact

This substance is not readily biodegradable. An accidental release to the environment may pose a danger to fish (low toxicity), invertebrates (low toxicity) and other aquatic organisms (low toxicity) prior to degradation.

## Conclusion

Under normal conditions of anticipated use as described in this Product Safety Assessment, and if the recommended safe use and handling procedures are followed, this material is not expected to pose a significant risk to human health or the environment.

## References

*ToxPlanet, Hazardous Substance Data Bank, Orthocresol*, 2018

*European Chemicals Agency, o-Cresol*, December 2018

*Safety Data Sheet (SDS), o-Cresol*, LANXESS Corporation, March 2015

## Contact Information

LANXESS Corporation, Product Safety & Regulatory Affairs, 111 RIDC Park West Drive, Pittsburgh, PA 15275-1112, USA, Phone 1-800-526-9377 [1-800-LANXESS]

## Notices

### Use and Application Information

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by us. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. No license is implied or in fact granted under the claims of any patent.