

Allyl Phenyl Ether (LOW CHLORINE CONTENT)

Product

Allyl Phenyl Ether made only from raw materials containing low chlorine

Application

Monomer and a raw material for Glycidyl Phenyl Ether, containing low chlorine

Feature

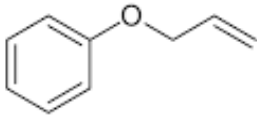

Low chlorine polymer and epoxy resin for electronic materials

BACKGROUND

Japan Material Technologies Corporation aims to commercialize low chlorine content products. Allyl phenyl ether compounds generally have a high chlorine content and are not suitable for the electronics field. The chlorine content of our products is low and new markets can be expected.

PRODUCT OVERVIEW

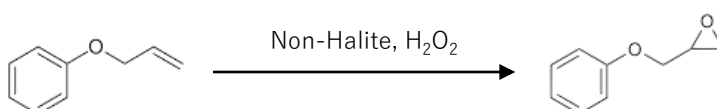
LOW CHLORINE Allyl Phenyl Ether made ONLY from LOW CHLORINE raw materials.

Name	Allyl Phenyl Ether	< Structural Formula > 
CAS No.	1746-13-0	
Molecular Formula	C ₉ H ₁₀ O	
Molecular Weight	134.18	< Product Photo > 
Form	Liquid (colorless – pale yellow)	
Chlorine Content*	< 10 ppm	

*The figures in this table are typical measured values at our company, not the values for guaranteeing.

EXPECTED APPLICATION

From LOW CHLORINE Allyl Phenyl Ether as a raw material, LOW CHLORINE Glycidyl Phenyl Ether can be made with Non-Halite.

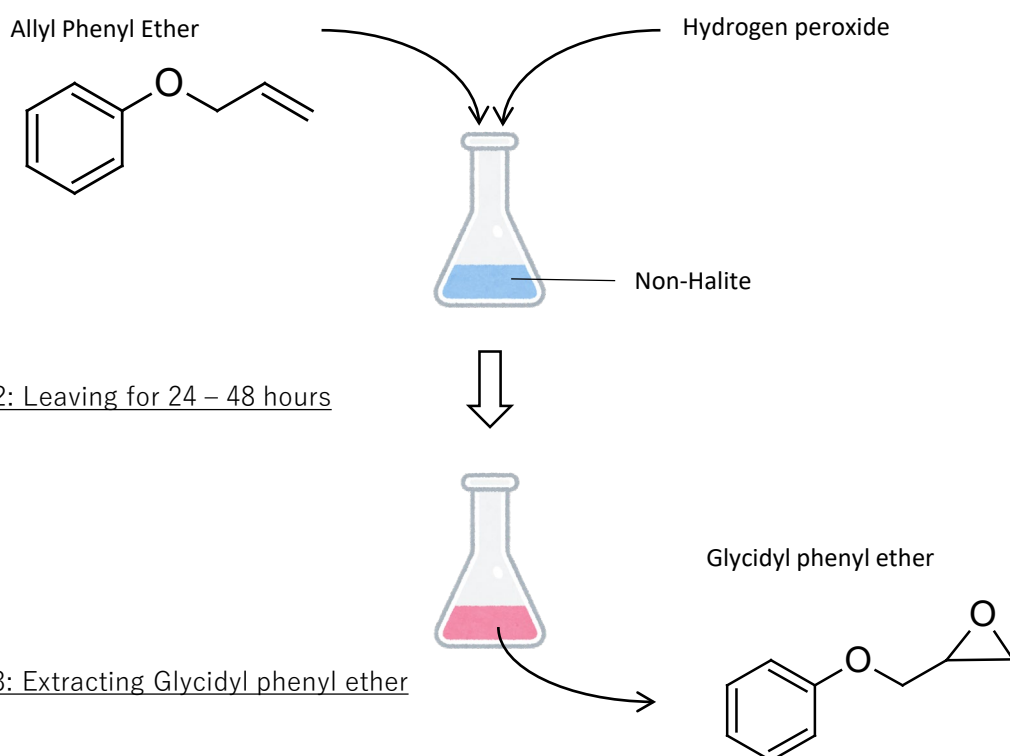

Contact information

Synthesis of LOW CHLORINE epoxy resin with Non-Halite



The polyacid catalyst/apatite powder. It is permeated with organic compound and hydrogen peroxide solution, and may be applied as a powder without the need for organic solvents, in an environmentally friendly Green Chemistry process which produces only water as a waste product.

STEP1: Mixing Allyl Phenyl Ether, Non-Halite, and hydrogen peroxide.



STEP2: Leaving for 24 – 48 hours

STEP3: Extracting Glycidyl phenyl ether

Result of epoxidation

Time	GC measurement: Area (%)		
	Allyl phenyl ether	Glycidyl phenyl ether	Total
24 hours	4	76	80
48 hours	1	78	79

Contact information