





PRODUCT ID, e.g. ETHYLENE CARBOANTE

Formula	C ₃ H ₈ O	CAS nr.	67-63-0
Molecular weight (g/mol)	60.1	EC nr.	200-661-7

VISUAL CLASSIFICATIONS

Market	Energy demand	Maturity	Price
			

KEY MARKET DATA

Market size (ton/year)	2 millions	
Product price (€/ton)	1500	
CO ₂ uptake potential (ton/ton product)	2.2	Stoichiometric
CO ₂ uptake potential (ton/year)	4,4 millions	5,2 reference CEMCAP plants 0,4% capture target (1.05Gt/year)
State-of-the-art production technology	Hydration of chemical grade propylene.	

TECHNOLOGY ROUTE: BIOLOGICAL

TRL = 3	Using genetically engineered <i>Escherichia coli</i>	
Reaction conditions		
Temperature	ambient	
Pressure	ambient	

For sources and definitions, please consult the original report at the [CEMCAP WEBSITE](#)

