



## Ethane Cracker

# FAST FACTS

### LOCATION

Sasol Lake Charles West Plant  
Westlake, Louisiana, USA

### COMMISSIONED

2019

### NAMEPLATE CAPACITY

1.54 million tons per year

### FEEDSTOCK

Ethane (100,000 barrels per day)

### TECHNOLOGY

Technip Stone & Webster

### PRODUCT FORM

Gas

### PROCESS

Ethane is delivered in liquid form via pipeline and then is heated to around 1,500°F (815°C) to “crack,” or break apart ethane molecules. They then reform into ethylene, a building block of the petrochemical industry.

### USES

About 90 percent of the cracker’s ethylene output will be consumed internally in other processing units to produce high-value derivatives that Sasol’s customers use as ingredients in detergents, fragrances, paint, film, food packaging and personal care products.

The remaining 10 percent of the ethylene will be sold on the merchant market and supply Sasol’s 50-percent share of its high density polyethylene (HDPE) joint venture with INEOS in Texas.



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