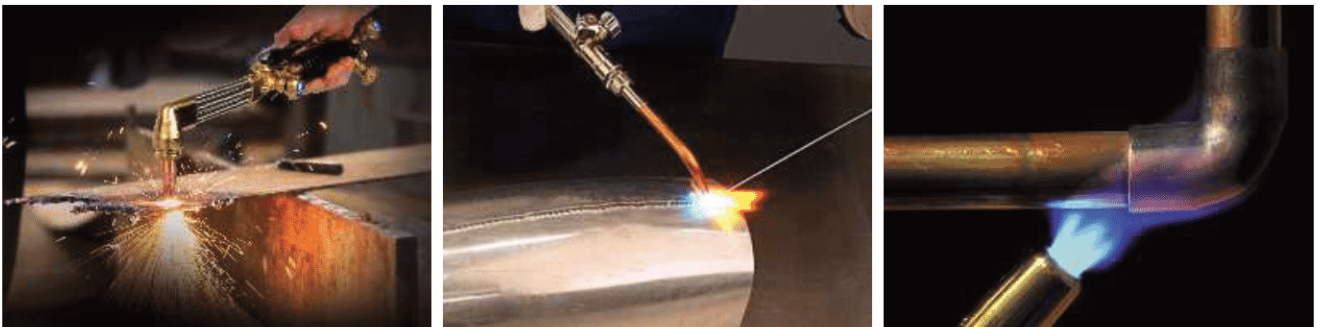




*The Cutting Fuel For Cutting Cost*

## THE Alternative to Acetylene

**CHEMTANE 2** is the superior fuel for cutting, welding and heating. It is more profitable, easier to handle and safer than other cutting fuels.



**Chemtane 2** is an environmentally friendly product developed to meet the global need for a safer, more economical cutting and heating fuel. During the past decade, Chemtane Energy has devoted extensive resources to developing and refining the blending of its chemicals. Chemtane 2 gas is a new generation cutting fuel that is more economical, environment friendly, and safer than acetylene and other fuel gases.

**Chemtane 2** performance offers the consistency and reliability not usually associated with other products. Our quality control program and stringent distribution guidelines guarantee the end user a dependable cutting fuel alternative.

### Product Features and Benefits

- Reduces fuel cost up to 50%
- High cutting speed - reducing labour
- Equal oxygen consumption
- Reduced handling and storage
- Reduced change out time
- Extremely high flame temperature
- Minimum slag and weldback
- Burns clean - no soot or smoke
- Limited torch backfire
- Narrow explosive limits
- Stable, not sensitive to shock
- Non toxic-odorized for detection



[www.chemtane.co.za](http://www.chemtane.co.za)

**Chemtane 2 is available in most cylinder sizes.**

# Chemtane 2 is a new generation additive for LPG and LNG formulated to enhance gas performance and substitute acetylene in oxy-cutting, welding and industrial heating.

## High performance

- Higher flame temperature in oxygen than acetylene
- Longer and More powerful secondary flame

## Safe

- Limited torch backfire
- Burns clean: no soot or smoke
- Narrow explosive limits
- Stable, non sensitive to shocks

## Profitable

- 1 kg Chemtane 2 equals 1,6 kg of acetylene in production
- Reduced fuel costs up to 50%
- Reduced oxygen costs up to 43%
- Reduced handling and storage
- Reduced change out time
- Reduced torch rebuilt

## Environment friendly

- No toxic residues left
- It does not contain acetone
- It contributes to energy saving through reduced fuel and oxygen consumption

## Supply

- Chemtane 2 is supplied either in cylinder (different sizes available) or in bulk (in the same propane tank)  
Dimensions and weight of the cylinders make Chemtane 2 the best choice for outside working, specially in places which are hard to reach.

## Analytical data

	AS A GAS	CHEMTANE 2	PROPANE	ACETYLENE
Maximum flame temperature °C		<b>3.300</b>	2.500	3.100
Effective heat content (BTUs/Kg) at 15,6°C and 1atm		<b>54.517</b>	47.698	46.991
M3 per kg of gas (or liquid)		<b>0,55</b>	0,54	
Specific weight		<b>2,07</b>	2,01	1,17
Weight compared to air		<b>1,6</b>	1,52	0,9
Limits of flammability in air (%)		<b>2,25-9,4</b>	2,4-9,6	2,5-80
Toxicity		<b>low</b>	low	low
Reactivity to metals		<b>low</b>	low	copper & silver alloys
Backfire tendency		<b>low</b>	low	high
Pressure		<b>cylinder</b>	cylinder	
AS A LIQUID				
Specific weight kg/l		<b>0,51</b>	0,5	

## Who is using Chemtane 2

Field construction Companies  
Fabrication Shops  
Flame cutting shops  
Scrap Yards  
Machine shops

Ship yards  
Military Installations  
Jewelry manufacturers  
Glass Industry  
Thermal Spray

**CHEMTANE is safer to use and safer for the environment**