

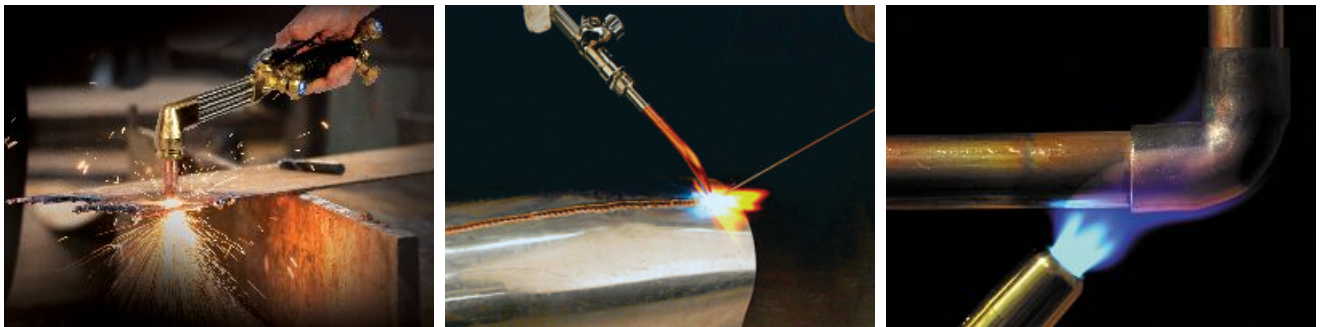


The Cutting Fuel For Cutting Cost

THE Alternative to Acetylene

CUTTING - BRAZING - HEATING

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

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		3.300	2.500	3.100
Effective heat content (BTUs/L) at 15,6°C and 1atm		112.85	95.87	54.98
M3 per kg of gas (or liquid)		0,55	0,54	
Specific weight		2,07	2,01	1,17
Weight compared to air		1,6	1,52	0,9
Limits of flammability in air (%)		2,25-9,4	2,4-9,6	2,5-80
Toxicity		low	low	low
Reactivity to metals		low	low	copper & silver alloys
Backfire tendency		low	low	high
Pressure		cylinder	cylinder	
AS A LIQUID				
Specific weight kg/l		0,51	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

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CHEMTANE is safer to use and safer for the environment