

Characteristics

As a Gas		Acetylene	Propylene	Propane	Natural Gas
Flame Temperature in Oxygen - Degrees F	*5800+	5589	5295	4579	4600
Heating Values: BTU's per cu. ft.	2810	1470	2371	2510	1050
BTU's per pound	24,812	21,315	21,864	21,636	24,780
Cu. Ft. per pound of gas (or liquid)	8.83	14.5	8.89	8.62	23.6
Wt. Compared to air	1.5	0.91	1.47	1.52	0.55
Limits of Flammability in air - %	2.3-9.4	2.5-80.0	2.0-11.1	2.4-9.6	5.3-14.0
Toxicity	None	Low	Low	Low	Low
Reactivity	Low	Copper & Silver Alloys	Low	Low	Low
Backfire Tendency	Low	High	Slight	Low	Low
Max. Pressure	Cylinder	15 psi	Cylinder	Cylinder	Supply
Shock Sensitivity	Stable	Unstable	Stable	Stable	Stable
As a Liquid		Acetylene	Propylene	Propane	Natural Gas
Wt. Per Gallon-lbs.	4.24	-	4.35	4.23	-
Boiling Point - Degrees F	-43.6	-81	-47	-44	-250
At 70 Degrees F generates vapor pressure of	120 psi	-	130 psi	120 psi	-
Shock Sensitivity	Stable	Unstable	Stable	Stable	Stable

*By Computer Image Testing & Comparison with other gases.

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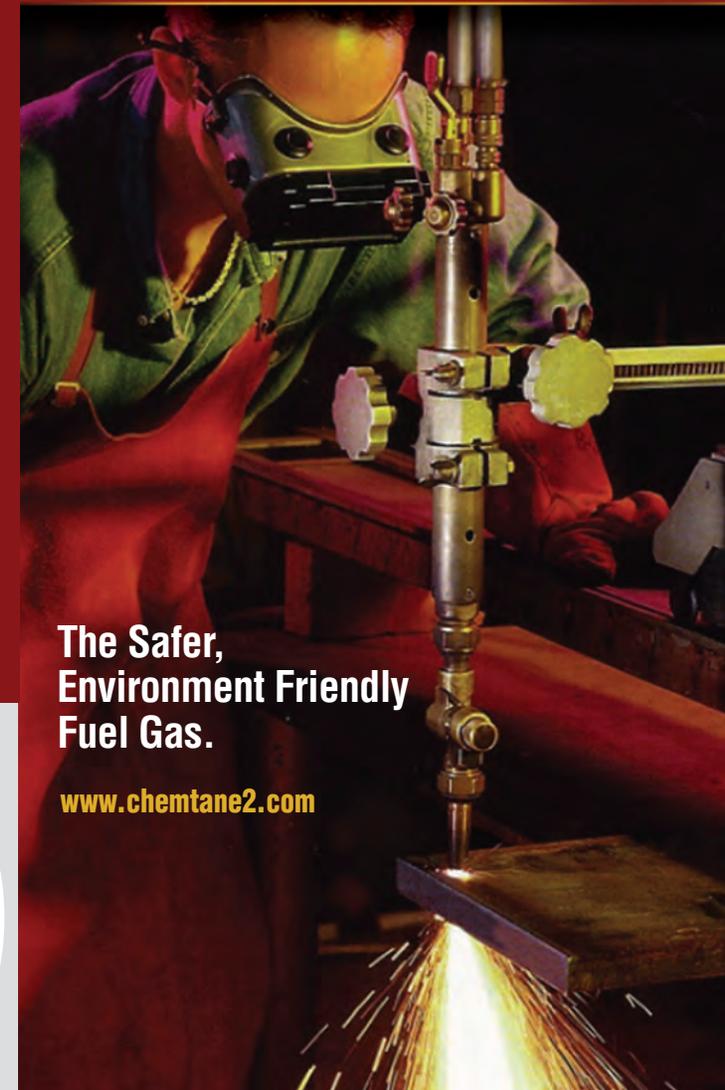
Manufactured by:
CHEMTANE ENERGY, LLC
Baytown, TX
(281) 573-1100
www.chemtane2.com



Distributed by:



The Cutting Fuel for Cutting Cost



**The Safer,
Environment Friendly
Fuel Gas.**

www.chemtane2.com

What is Chemtane 2?

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.

Who is using Chemtane 2?

Because **Chemtane 2** has a wide range of advantages over other cutting and heating gases, **Chemtane 2** is being used in a variety of industries.



Here are a few of the industries that are using **Chemtane 2**:

- Flame Cutting Shops
- Shipbuilding and Repair
- Field Construction
- Fabrication
- Machine Shops
- Government Agencies
- Metal Spray Shops
- Brazing Shops
- Jewelry & Glass
- Scrap Yards



Product Features and Benefits

- Reduces fuel cost up to 50%
- High cutting speed - reducing labor
- 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



100 LBS. =

Acetylene
2100
Cu. Ft.



Vaporization Rate of Chemtane 2 | Cubic Feet Per Hour @ 60% full

Size	Temperature Degrees F	40% Full - Multiply by 0.8	20% Full - Multiply by 0.6		
	-5	+10	+20	+40	+60
25 lb.	8	15	20	31	40
60 lb.	14	28	37	56	75
100 lb.	19	38	51	77	102
420 lb.	42	85	114	171	228
1000 gal.	197	324	512	759	1142



Chemtane 2 is available in most cylinder sizes.

(2 lb., 6 lb., 25 lb., 60 lb., 100 lb., 424 lb. and also in bulk storage tanks ranging in sizes from 500 to 10,000 W. G. capacity.)



CHEMTANE
is safer to use
and safer for
the environment.