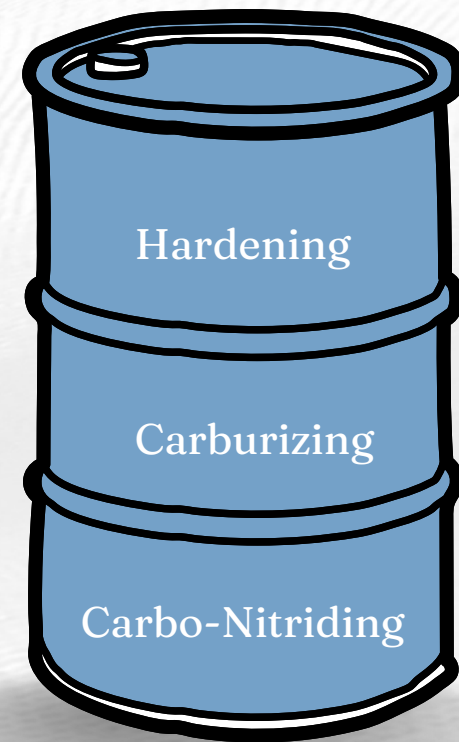




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# WHAT IS GAS CARBURIZING FLUID ?



# WHAT IS GAS CARBURIZING FLUID ?

Gas carburizing fluid, in the context of metalworking and heat treatment, refers to the gaseous environment used in the gas carburizing process. Gas carburizing is a surface-hardening technique that increases the carbon content on the surface of low-carbon steel or iron parts, improving their hardness and wear resistance. This is achieved by exposing the parts to a carbon-bearing gas atmosphere at high temperatures, typically around 800°C to 950°C



# Traditional Heat Treatment Fluids

For many years, substances such as :

- Acetone,
- Methanol,
- Kerosene,
- Diesel,
- LPG,
- others;

These have served as carrier gases or fluids. They have been utilized either singly or in blends. However, employing these Multi Feed Fluids presents several challenges, including the management of multiple feeds, quality control for different fluids/gases, procurement issues, logistical and storage complexities, and notably, increased consumption and extended cycle times.

# PRIME INDIA INTERNATIONAL'S GAS CARBURIZING FLUID

At Prime India International, we specialize in producing cost-efficient, single-feed fluids tailored for diverse heat treatment needs. Our products are the result of extensive research and development efforts, a tradition of excellence we've upheld since 1971. Prime India International is renowned for creating high-quality fluids that are not only low in consumption but also significantly enhance the cost-effectiveness of the heat treatment process. Our innovations lead to:

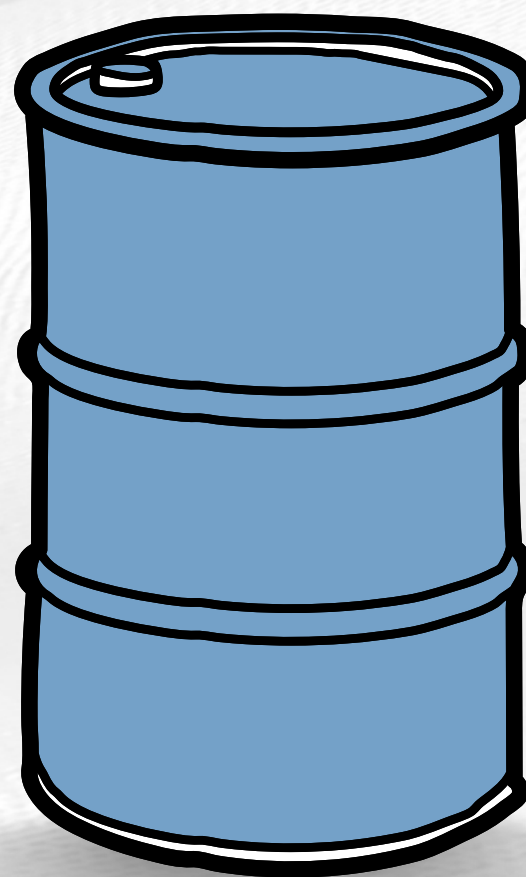
- Decreased fluid usage and operational expenses.
- Shorter processing times for each batch, boosting productivity.
- Outstanding performance through a single-feed fluid system.
- A focus on achieving greater crushing loads and precise outcomes.



# GAS CARBURIZING FLUID

LOW CONSUMPTION  
LOWER  
TURNOVER TIME  
ACHIEVE DESIRED  
RESULTS

[Order Now](#)



# PRIME INDIA INTERNATIONAL'S GAS CARBURIZING FLUID

## **Tailored for Every Furnace :**

- Pit Furnace
- Rotary Furnace
- Continuous Furnace
- Seal Quench Furnace
- Muffle Furnace
- Shaker Hard Furnace
- Box Furnace

## **Processes We Cater To :**

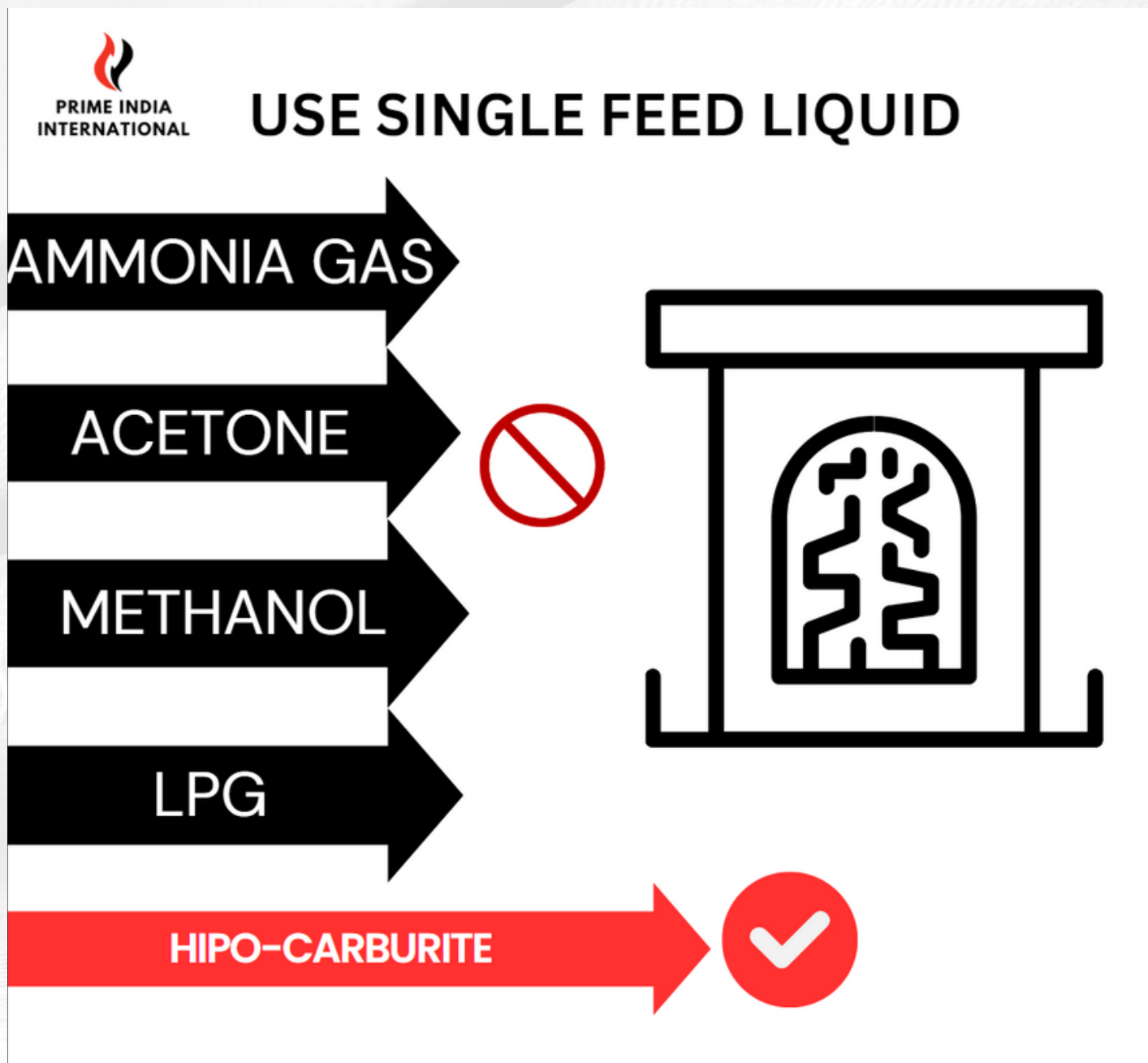
- Carburizing
- Hardening
- Neutral / Through Hardening
- Carbo-Nitriding



# Explore Our Range of Heat Treatment Fluids

- Carburite: Ideal for versatile heat treatment applications.
- Hipo-Carburite: Designed for high-precision and high-performance needs.
- HardCarb: Offers Excellent result for mild carburizing and Hardening Requirements.

# PRIME INDIA INTERNATIONAL'S GAS CARBURIZING FLUID





# Connect With Us



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