

PRIME INDIA INTERNATIONAL

MAHALAXMI INDL ESTATE, 15 GR.FL. D.C. ROAD, LOWER PAREL. MUMBAI-400013

Mob: 09322246670, 9321246670, 9082792074

E-mail id- primecarb@hotmail.com / harsh.primecarb@gmail.com

Website: www.primeindiainternational

Hardcarb Gas Carburizing Fluid

Hardcarb Gas Carburizing Fluid, produced by Prime India International, is an innovative solution designed for various heat treatment processes. This specialized fluid is engineered to create a carbon-rich atmosphere, crucial for the success of hardening, carburizing, neutral hardening, through hardening, austempering, and similar applications. Its formulation allows it to serve as a substitute for methanol, offering several advantages to industrial operations.

Key Features and Benefits:

- **Single Feed Fluid:** Hardcarb eliminates the need for multiple fluids in the process, streamlining operations and potentially reducing costs.
- **Reduced Process Timing:** The application of Hardcarb can significantly shorten the carburizing process time, enhancing production efficiency.
- **Increased Production:** The efficiency brought by shorter process times can lead to higher production rates, optimizing resource use and increasing throughput.
- **Reduced Consumption:** Compared to traditional methanol usage, Hardcarb requires lower volumes, leading to direct cost savings and a lesser environmental footprint.
- **Versatile Applications:** It is suitable for a wide range of furnaces including continuous, seal quench, pit, mesh belt, shaker hearth, and muffle furnaces, among others. This versatility makes it an excellent fit for diverse heat treatment needs.

Product Specifications:

- **Colour:** Blue, aiding in the visual measurement of flow rates.
- **Specific Gravity:** At room temperature, it stands at 0.78.
- **Moisture Content:** Maintained at a minimal 0.2%, ensuring product integrity.
- **Flash Point:** Identified at 70°C, indicating the temperature at which the fluid can vaporize to form an ignitable mixture in air.
- **Packaging:** Available in 200 Litres barrels, ensuring sufficient supply for industrial scale applications.
- **Shelf Life:** The product maintains its efficacy for up to 5 months from the date of manufacture.

Designed for use in controlled atmosphere drip feed systems, Hardcarb is particularly effective for case hardening and carburizing applications. It is tailored to meet the needs of industries looking for efficient, cost-effective, and versatile carburizing solutions. Whether for neutral hardening, mild carburizing, or maintaining precise atmospheres during heat treatment, Hardcarb Gas Carburizing Fluid presents a compelling option for modern manufacturing and metallurgical processes.