



## HGX-3® HIGH PERFORMANCE HOT GAS

HGX-3® is the new standard of economy, performance and safety for gases used in metalworking processes. It is a superior high temperature, high heat content fuel gas that is available worldwide. The neutral flame temperature along with higher heat emission from the primary and secondary flames allows for faster heat transfer. This provides faster brazing and metal working operations which reduces valuable employee labor costs.

HGX-3® Hot Gas contains a patented, balanced compound of organic materials in a pure hydrocarbon solvent. The combustion catalysts inhibit the formation of molten slag, changing it into a material which is vaporized in the burning process and deposited in a dry form. The result is a smooth surface after cutting that requires little to no preparation prior to welding. When comparing HGX-3® Hot Gas against other fuel gases and acetylene, it provides better cutting performance and reduced operational costs, all at the most economical price.

### FEATURES AND BENEFITS

- **Reduces Operational Costs**
  - More cost economical than the equivalent amounts of acetylene or propylene
  - Exceeds the flame temperature of most cutting fuels
  - Uses significantly lower quantities of oxygen
  - Greatly reduces or eliminates the time/labor needed to machine surfaces after the cut
- **Provides Performance Enhancing Properties**
  - Faster preheat and piercing rates for cutting, including bevel cuts
  - Faster cutting travel speeds in mediums up to 15 inches in thickness
  - Reduces or eliminates slag formation resulting in smoother cuts
  - Helps promote faster heat transfer for brazing, bending, cambering, straightening, hardening and melting operations
- **Improves operator safety**
  - **Non-toxic:** Use creates no annoying fumes or dangerous by-products
  - **No torch backfire and is non-sensitive to shock, with a low explosive range**
  - **Non-Metallic chemistry reduces harmful gasses (NOx and Unburned hydrocarbons)**



# PRODUCT DATA SHEET

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**HGX-3®**

## **HIGH PERFORMANCE HOT GAS (HGX3)**

### **APPLICATIONS**

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HGX-3® can be used to formulate a superior high temperature, high heat content, high performance LPG/propane fuel gas that provides higher performance than acetylene or propylene, and at a much lower cost. Typical applications include most cutting, heating, bending, cambering, straightening, hardening, melting, and brazing operations.

### **BLENDING RECOMMENDATIONS**

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Product can be added to bulk propane storage during delivery of fuel or into the cylinder filling cycle. Storage tank and lines should be free of excess water and/or sludge.

Treat Rate

1:1000

Maximum Dosage: Dosage for this product should not exceed 1 gallon per 500 gallons of propane.

*Additive performance depends on the specific fuel being treated and condition of storage tanks.*

### **SAFETY PRECAUTIONS**

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When handling this product, persons should exercise caution and wear protective goggles, gloves and clothing. See cautions indicated in the corresponding Material Safety Data Sheet before handling and storing this product.

### **WARRANTY**

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We guarantee this product to comply with our published specifications. Since the use of this product is beyond our control, we disclaim responsibility for its performance, handling, use, storage, the results obtained, or any injury of any nature resulting there from. Product warrantee and sellers obligations apply only to replacement of product. Seller assumes no liability for any claim or loss of any other kind. In no event shall seller be liable for indirect punitive, special or consequential damages or expenses. Any warrantee claim shall be governed by and construed in accordance with the laws and jurisdiction of the State of Illinois.

### **TYPICAL SPECIFICATIONS**

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Color (ASTM D1500)..... Opaque Red  
Specific Gravity @ 68° F (ASTM D891).....0.804  
Density, lbs./gal. (Calculated) .....6.70  
Flash Point °F, TCC (ASTM D3278)..... >102  
Additive Pour Point °F (ASTM D97)..... N/A  
Viscosity @ 68° F cP (Brookfield)..... N/A

This product is ashless and contains no heavy metals or metallic compounds.

### **PACKAGING**

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Available in bulk, 250 gal. totes, 55 gal. and 5 gal. containers.