

**LEAK LOCK™ BLUE**  
**Joint Compound**



*Leak Lock*®



Soft setting pipe joint compound that seals threaded joints, gasket surfaces & mating surfaces. Ideal for joining dissimilar metals and other materials. Leak Lock is proven formulation that will stick to all clean surfaces and can be used to prevent vibration from loosening nuts, bolts, plugs and fittings.

Hot or cold, Leak Lock does its job. It never hardens and it never becomes brittle. This means that regardless of temperatures and physical shock, Leak Lock will always maintain a perfect seal. Ideal for use with pressure as well as vacuum service.

Effectively seals and is resistant to all refrigerants, oils, water and most chemicals, both liquids and gases.

Temperatures from -200° to 400° F,  
 full vacuums up to 10,000 PSI

- 10-10-049:** Leaklock 1.3 oz tube
- 10-10-050:** Leaklock 1/4 pint brush top
- 10-10-051:** Leaklock 1/2 pint brush top
- 10-10-052:** Leaklock 1 pint brush top
- 10-10-053:** Leaklock 1 qt. friction top
- 10-10-064:** Leaklock 1qt. brush top
- 10-10-065:** Leaklock 1 gallon pail
- 10-10-070:** Leaklock 5 gallon pail
- 10-10-071:** Leaklock 55 gallon pail

Leak Lock seals most chemicals including all refrigerants (R-12, 22, 502, 134A, etc.) petroleum products, natural and manufactured gases, steam, water, air, etc.

**PHYSICAL DATA**

Vapor Density (Air = 1): 1.6 Appearance and odor:  
 Blue flowable paste. Slight alcohol odor  
 % Volatile (by weight): 28  
 Specific Gravity (H2O = 1): 1.3  
 Solubility in Water: Insoluble  
 % Volatile organic compounds: 28  
 VOC Content: 340.8 grams per liter at application (Once product sets - Zero VOCs)

System No.		Location		Spec Section		Paragraph	
Submitted By		Date		Approved		Date	



**Product Specifications**

**What is leak lock?**

Leak Lock is a state-of-the-art high strength, pipe joint sealant consisting of chemically resistant film formers, plasticers, reinforcing fillers and solvents.

**How It Works**

When Leak Lock is applied to pipe joints, it adheres to the mating surfaces. After joints are assembled, Leak Lock set a to form a chemically resistant flexible fluid-tight seal.

**How to Use It**

Leak Lock should be applied to clean joint surfaces, either with the applicator brush or any convenient spatula. Apply Leak Lock to both mating surfaces. Tack should be allowed to develop before joints are assembled.

**Where to Use It**

Leak Lock can be used on all metal or plastic materials, including but not limited to, aluminum, aluminum alloys, cast irons, copper, copper alloys, (brass, bronze, etc...), magnesium and magnesium alloys, carbon steels, stainless steels, galvanized surfaces, PVC, CPVC, ABS, fiberglass, black polypropylene, and kynar. Leak Lock should be applied to threaded joints, flanged joints, gasket surfaces and all mating surfaces where a fluid-tight seal is required. Special

**Applications** – Leak Lock is ideal for joining dissimilar metals and materials. Prevents loosening of nuts, bolts, plugs and fittings.

**Typical Physical Properties**

- Viscosity.....100,000-200,000 cps
- Consistency...flowable Paste
- Color.....light blue
- Solvent.....ethanol and isopropanol
- Pressure.....full vacuum to 10,000 psi
- Temperature...-200°F to +400°F
- Toxicity.....non-toxic
- Shelf Life.....Indefinite when kept Sealed

Safety Data Sheet is available from ARGCO or can be downloaded from our website: [www.ARGCO.com](http://www.ARGCO.com)

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joints, gasket surfaces and all mating surfaces where a fluid-tight seal is required. **Special Applications**— Leak Lock is ideal for joining dissimilar metals and materials. Prevents loosening of nuts, bolts, plugs and fittings. Call Highside for specific applications and compatibility.

### TYPICAL PHYSICAL PROPERTIES:

Viscosity . . . . . 25,000 - 100,000 cPs  
Consistency . . . . . flowable paste  
Color . . . . . light blue / light gray  
Solvent . . . . . ethanol and isopropanol  
Pressure . . . . . full vacuum to 10,000 psi  
Temperature . . . . . -200°F to +400°F  
Toxicity . . . . . nontoxic  
Shelf Life . . . . . indefinite when sealed

**Material Safety Data Sheet** is available from Highside or can be downloaded from our web site: <http://www.highsidechem.com>

### LEAK LOCK— SUCCESSES

The following is a partial list of the materials and fluids that Leak Lock has successfully sealed:

#### REFRIGERANTS:

All CFC's, HFC's, HCFC's and PFC's including but not limited to:  
R-717 (ammonia)  
R-744 (carbon dioxide)  
R-11 (trichlorofluoromethane)  
R-12 (dichlorodifluoromethane)  
R-21 (dichlorofluoromethane)  
R-22 (chlorodifluoromethane)  
R-113 (1, 1, 1-trichlorotrifluoroethane)  
R-114 (1, 1, 2-dichlorotetrafluoroethane)  
R-40 (methyl chloride)  
R-30 (methylene chloride)  
R-290 (propane)  
R-764 (sulfur dioxide)  
R-134a (1, 1, 1, 2-tetrafluoroethane)  
R-13, R-13b1, R-500, R-502, R-503, R-123, R-124, R-401A, R-401B, R-402A, R-402B, R-403B, R-406A, R-408A, R-409A, R-23, R-23fa, R-404A, R-407A, R-407B, R-407C, R-410A, R-507, R-508.

#### REFRIGERATION OILS

Mineral Oils, Napthenic  
Mineral Oils, Paraffinic  
Polyalphaolefins  
Alkylbenzenes  
Polyvinylether  
Polyol Ester

#### SOLVENTS:

Water (soft, hard, potable)  
Seawater (saltwater)  
Pentane  
Hexane  
Cyclohexane  
Heptane  
Cyclohexane  
Petroleum Napthas  
Mineral Spirits  
Toluene  
Xylene  
Perchloroethylene  
D-Limonene  
Turpentine  
Pine Oil  
Lacquer Diluent  
Rubber Solvent  
VM&P Naptha  
Stoddard Solvent  
140°F Solvent  
Deodorized Kerosene  
Medium-flash Aromatic Naptha  
High-flash Aromatic Naptha  
Dipentene  
Methylene Chloride  
1, 1, 1-Trichloroethane  
2-Nitropropane  
Orthodichlorobenzene  
Monochlorobenzene

Chloroform  
Ethylene Dichloride  
Trichloroethylene  
Propylene Dichloride  
Aliphatic Solvents  
Acids, Dilute  
Aromatic Solvents  
Glycerine  
Chlorinated Solvents

#### INDUSTRIAL GASES:

Acetylene  
Chlorine, Anhydrous  
Air  
Carbon Monoxide  
Ammonia, Anhydrous  
Argon  
n-Butane  
Carbon Dioxide  
Ethane  
Ethylene Chloride  
Fluorine  
Hydrogen  
Methane  
Neon  
Nitrogen  
Nitrous Oxide  
Oxygen (Industrial only)  
Propane  
Propylene  
Silane

Xenon  
Tetrafluoromethane  
Helium

#### FUEL GASES:

Natural Gas  
LPG "Liquified Petroleum Gas"  
LNG "Liquified Natural Gas"  
Propane  
n-Butane  
Isobutane

#### FUELS:

Gasoline (petrol, motor fuel)  
Aviation Fuels (avgas, jet fuel)  
Fuel Oils, Diesel Fuel Oils, Gas  
Turbine Oils, Kerosene, Gas Oil.

#### OILS:

Mineral Oils, Soybean Oil, Coconut Oil, Tall Oil, Peanut Oil, Rapeseed Oil, Menhaden Oil, Vegetable Oil, Animal Oil, Hydraulic Oils, Crude Oil.

*\* Leak Lock is not recommended for use with alcohols.*

#### CURE TIME:

Leak Lock will cure and be ready for service in as little as 20 minutes or no more than 24 hours depending on pipe size and temperature of application.