MATERIAL SAFETY DATA SHEET
LEAK LOCK® BLUE

SECTION I – PRODUCT INFORMATION

Distributor's name: Allied Rubber & Gasket Company, Inc. – ARGCO
2610 Commerce Way
Vista, Ca 92083
In case of emergency: Call 1-800-255-3924
For information call: (800) 854-1015
Date prepared: 8/2/2000 Last update: 3/31/2013
Product name: Leak Lock Blue

SECTION II – IDENTITY INFORMATION & INGREDIENTS

Chemical Name: Mixture
Chemical Formula: Mixture

Product Codes: 10001
10004
10016
10128

COMPONENTS	**CAS #**	**PEL/TV – SOURCE**
Ethanol	64-17-5	1000 ppm, 1000 ppm TWA (OSHA, ACGIH)
Isopropanol	67-63-0	400 ppm, 400 ppm TWA (OSHA, ACGIH) 500 ppm, 500 ppm STEL (OSHA, ACGIH)
Talc	14807-96-6	20mppcf TWA For respirable dust, 2mg/m³ For respirable dust (OSHA, ACGIH)

All components of this product are listed on the U.S. TSCA Inventory

SECTION III – PHYSICAL DATA

Vapor Density (Air = 1): 1.6
% Volatile (by weight): 28
Solubility in Water: Insoluble
Appearance and odor: Blue flowable paste. Slight alcohol odor
Specific Gravity (H2O = 1): 1.3
% Volatile organic compounds: 28

SECTION IV – FIRE AND EXPLOSION DATA

Flash Point (Method used): 15.6 º C (60º F) PMCC
Extinguishing Media: Use alcohol foam, carbon dioxide or dry chemical extinguishing media.

SECTION IV – FIRE AND EXPLOSION DATA -Continued

Special Fire Fighting Procedures: Wear self-contained breathing apparatus in the positive pressure demand mode when fighting fires.

Unusual Fire and Explosion Hazards: Avoid all sources of ignition-heat, sparks, and open flame.

Hazard Rating: Health 1 Flammability 3 Reactivity 0

SECTION V – REACTIVITY DATA

Hazardous Polymerization: Cannot occur
Stability: Stable
Incompatibility: Avoid contact with strong oxidizing agents.
Hazardous decomposition or byproducts: Under fire conditions: Fumes, smoke, carbon monoxide, and other decomposition products, in the case of incomplete combustion.

SECTION VI – HEALTH HAZARD DATA

Carcinogenicity: A constituent of this product is listed by NTP, or IARC. Talc contains crystalline silica at levels greater than .1% but less than 1.0%. IARC has determined silica to be a class 2A carcinogen. NTP has classified crystalline silica as reasonably anticipated to be a carcinogen. However, in this product the silica is not breathable. This product contains ethanol, IARC has determined that exposure to alcohol through chronic human consumption can cause cancer.

Primary Routes of Entry: Inhalation and skin contact.

Effects of Chronic Overexposure: Overexposure to ethanol has apparently been found to cause the following effects in laboratory animals: Liver abnormalities and kidney damage.
Overexposure to ethanol has been suggested as a cause of the following effects in humans: liver abnormalities and eye damage.

FIRST AID PROCEDURES:

Skin Contact: Thoroughly wash the exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use.
Eye Contact: Flush with large amounts of water, lifting upper and lower lids occasionally, get medical attention.
Ingestion: Immediately drink two glasses of water and induce vomiting either by giving ipecac syrup or by placing finger at back of throat. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Inhalation: If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped give artificial respiration. Keep person warm, quiet and get medical attention.

SECTION VII – SPECIAL PRECAUTIONS

Respiratory Protection: If work place exposure limit(s) of product or any component is exceeded (see Section II), a NIOSH/MSHA approved air supplied respirator is advised in

absence of proper environmental control engineering or administrative controls should be implemented to reduce exposure.

SECTION VII – SPECIAL PRECAUTIONS - Continued

Eye Protection: Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other types of safety glasses (consult your safety equipment supplier).

Ventilation: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

Protective Gloves: Wear resistant gloves such as neoprene.

Other Equipment: To prevent repeated or prolonged skin contact, wear impervious clothing or boots.

SECTION VIII – ENVIRONMENTAL INFORMATION

Steps to be Taken in Case Material is Released or Spilled:

Small or large spill: Spill should be contained and placed in suitable container for disposal.

Waste Disposal Method: Small or large spill: Dispose of in accordance with all local, state and federal regulations.

The following information may be useful in complying with various state and federal laws and regulations under various environmental statutes:

EPA regulation CFR 302 (CERCLA Section 102): No reportable quantity (RQ) for product or any constituent greater than 1% or 0.1% (carcinogen).

EPA regulation CFR 355 (SARA Section 301-302): No threshold planning quantity for product or any constituent greater than 1% or 0.1% (carcinogen).

EPA regulation 40 CFR 372 (SARA Section 313) No toxic chemical is present greater than 1% or 0.1% (carcinogen).

EPA regulation 40 CFR 370 (SARA Section 311-312) not applicable for product.

SECTION IX – SHIPPING INFORMATION

DOT (49 CFR 172):

One liter or less container: Consumer commodity, ORM-D over one liter container: adhesives, 3, UN1133, II

Bill of lading: Pipe fitting compound, IT 42030

Poison Constituent: None **Marine Pollutant**: No

International (UN/NA Code): One liter or less container: Adhesives, 3, UN1133, II, Ltd. Qty. over one liter container: Adhesives, 3, UN1133, II

IMCO: Page 3302 Class 3.3

Disclaimer

The information contained herein is accurate and reliable as of the date issued to the best of the manufacturer's knowledge. **ARGCO** *doesn't warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising from the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use.*

END OF MATERIAL SAFETY DATA SHEET

Leak Lock®

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. Call **ARGCO** for specific applications and compatibility.

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**…200ºF to +400ºF
- **Toxicity**…….non-toxic
- **Shelf Life**…..Indefinite when kept Sealed
- **Material Safety Data Sheet** is available from **ARGCO** or can be downloaded from our website:
- www.ARGCO.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 and HCFC's
Including but not limited to…

- R-717 (ammonia)
- R-744 (carbon dioxide)
- R-11 (trichloroflluromethane)
- R-12 (dichlorodiflluromethane)
- R-21 (dichloroflluromethane)
- R-22 (chlorodiflluromethane)
- R-113 (1,2-trichlorotrifluroethane)
- R-114 (1,2-dichlorotetrafluroethane)
- R-40 (methyl chloride)
- R-30 (methylene chloride)
- R-290 (propane)
- R-764 (sulfur dioxide)
- R-134a (1,1,2-tetrafluroethane)
- R-13, R-13BL, R-500, R-502, R-503, R-123, R-124, R-401A, R-401B, R-402A,R-402B, R403B, R-406A, R-408A, R409A, R-23, R-236FA, R-404A, R-407A, R-407B, R-407C, R-410A, R-507, R-508.

Fuel Gases:

- Natural Gas
- LPG "Liquefied Petroleum Gas"
- LNG "Liquefied 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

Refrigeration Oils:

- Mineral Oils, Napthenic
- Mineral Oils, Paraffinic

- Polyol Esters
- Polyalphaolefins
- Alkylbenzenes

Solvents:

- Water (soft; hard; potable)
- Seawater (saltwater)
- Pentane
- Hexane
- Cyclohexane
- Heptane
- Petroleum Napthas
- Mineral Spirits
- Toluene
- Xylene
- Perchloroethylene
- D-Limonene
- Turpentine
- Pine Oil
- Lacquer Diluent
- Rubber Solvent
- VM&P Naptha
- Stoddard Solvent
- 140ÛF 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
- Trichlorethylene
- Propylene Dichloride
- Aliphatic Solvents
- Acids, Dilute
- Caustics, 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
- Propane
- Propylene
- Silane
- Xenon
- Tetrafluoromethane
- Helium

Oils:

- Mineral Oils
- Soybean Oil
- Coconut Oil
- Tall Oil
- Peanut Oil
- Rapeseed Oil
- Menhaden Oil
- Vegetable Oil
- Animal 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.