



Stars Management DMCC

SUBMITTAL

739

**Brush Seal™
(Vapor Barrier Coating)**



VIMASCO CORPORATION

739
BrushSeal™

VAPOR-BARRIER COATING

739 BrushSeal™ Coating is an economical but effective vapor-barrier coating for use over all types of thermal insulation on cold systems. It is specifically formulated for optimal use on systems operating below ambient temperature -20° F. It effectively retards the passage of water vapor on applications such as chilled water lines, air conditioning ducts, or other pipes or vessels within these temperature parameters. Colder systems than the above are better protected with Vimasco's 749 VaporBlok™ which has a lower perm rating and is designed for heavy-duty applications. On all cold systems, vapor barrier coatings will only perform well when the proper thickness of insulation is used.

739 BrushSeal™ is formulated to have a smooth consistency which is easy to apply by brush. It can also be sprayed with the proper equipment. It is compatible with most normal types of thermal insulation used on commercial and industrial jobs, and normal facings such as ASJ, FSK, etc. If the application is to be directly on a foil facing it should be tested first for proper adhesion of the coating.

739 BrushSeal™ is a safe, water-based product which has a mild latex type odor. It is fire resistive, meeting 25/50 flame and smoke requirements, and maintains its white color after application. It can be used indoors or outdoors though it should be noted that when exposed to UV light its color will dull slightly. Being a water-based product, 739 should not be applied on flat surfaces where it will be subjected to ponded water.

Protect from freezing during shipping and storage. After application, it must be protected from freezing and from precipitation or condensation until it is completely cured.

In accordance with OSHA Standard 29 CFR 1910.12 (Right to Know Law) a Material Safety Data Sheet is available for this product and all Vimasco products.

Vimasco products are designed to meet the needs of specific situations. They are warranted to be effective for their intended uses only. No further warranties are expressed or implied. The methods and condition of applications over which we can exercise no control are important factors in the performance of our products. We make specific recommendations for the application and use of all Vimasco products, but we cannot enforce our recommendations upon users; therefore, it is necessary that we state, as a condition of sale of our products, that we will replace or refund the purchase price of any Vimasco products found by our laboratories to be defective, but that we assume no responsibility beyond the purchase price of the materials. No representative of our Company, Distributor, or Agent has any authority to change or extend this condition of sale.

COLOR: White

WATER VAPOR PERMEANCE (ASTM E96 Proc A)

.04 U.S. Perms at 40 mils dry film

WATER VAPOR PERMEANCE (ASTM F 1249)

Less than .08 U.S. Perms at 32 mils dry film

COVERAGE (ASTM C 461)

25 sq ft/gal at recommended minimum thickness of 1/16" wet
This yields a dry film thickness of 32 mils.

DRYING TIME (ASTM D 1640)

To touch: 2 to 4 hours; Through: 12 to 48 hours
(Depending upon temperature, relative humidity, and substrate)

WEIGHT PER U.S. GALLON (ASTM D 1475)

10.7 pounds (1.28 kg/liter)

SOLIDS 62% by Weight, 52% by Volume

SERVICE TEMPERATURE RANGE

-20°F to 180°F (-29°C to 82.2°C)

Note: "Service temperature" refers only to the temperature of air or surfaces coming into direct contact with the coating. This should not be confused with the operating temperature of the system underneath the insulation, which may vary widely depending upon the effectiveness of the insulation used. 739 Brush Seal™ will lose some flexibility at very cold temperatures and will soften at very warm temperatures.

APPLICATION TEMPERATURE RANGE

40°F to 120°F (4°C to 49°C)

WET FLAMMABILITY (ASTM D 93)

No flash to boiling, 212°F (100°C)

VOC (VOLATILE ORGANIC COMPOUND CONTENT) (ASTM D 3960)

0 g/L MEETS REQUIREMENTS FOR LEED CREDIT 4.2

ELONGATION 90% (30 mils dry @ 70°F) (.76 mm dry @ 21°C)

CLEANUP Wet state: water Dry state: safety solvent

CAUTION: Do not add water to this product as that will change its physical properties and performance. No expressed or implied warranty will be offered on applications where the product has been thinned or altered in any way.

SURFACE BURNING CHARACTERISTICS

(ASTM E 84) Tested at Underwriters Laboratories, Inc.
Flame Spread: 0 Smoke Developed: 0

ALL VIMASCO PRODUCTS ARE ASBESTOS FREE AND CONTAIN NO LEAD OR MERCURY COMPOUNDS.



VIMASCO CORPORATION

S D S SAFETY DATA SHEET — 16 Sections

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier 739 BrushSeal™ Coating		February 20, 2014	
Product Use Water-based Vapor Barrier Coating			
Manufacturer's Name Vimasco Corporation		Supplier's Name	
Street Address		Street Address	
City	State:	City	
Postal Code	Emergency Phone	Postal Code	Emergency Telephone
Prepared by:	Phone Number		

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (<i>specific</i>)	%	CAS Number	LD ₅₀ of Ingredient (<i>specify species and route</i>)	LC ₅₀ of
Aqua Ammonia	0.06 – 0.09	1336-21-6	Oral rat 350 mg/kg	Inhalation rat 5000 ppm
Chlorinated Paraffin	3 – 5	63449-39-8 85535-85-9	Not Available	Not Available

SECTION 3 — HAZARDS IDENTIFICATION

Primary Routes of Entry: Dermal or inhalation

Eye: May be an irritant; **Skin:** Prolonged contact may cause irritation dermatitis;

Ingestion: No information assumed to cause gastro irritation. Low toxicity;

Inhalation: May cause irritation to the respiratory tracts. Overexposure could cause headache, nausea, fatigue.

SECTION 4 — FIRST AID MEASURES

Skin: Wash with soap and water

Eyes: Flush with clean water at least 15 minutes, if irritation persists, consult physician.

Inhalation: Remove to fresh air. If breathing is difficult, administer oxygen. If irritation persists, consult physician

Ingestion: Give two glasses of water, induce vomiting, consult physician or poison control center. Never give anything by mouth to an unconscious person.

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SECTION 5 — FIRE FIGHTING MEASURES

Flammable No	If yes, under which conditions?	
Means of Extinction: Alcohol Foam CO ₂ , Dry Chemical, Water Fog		
Flashpoint: No flash to boiling 212°F (TCC)	Upper Flammable Limit (% by volume)	Lower Flammable Limit (% by volume)
Autoignition Temperature (°C)	Explosion Data: None known	Explosion Data — Sensitivity to Static Discharge
Hazardous Combustion Products : None known		
Product will not burn until water has boiled or evaporated. For dried film or residual solids, full protective equipment is recommended, including self-contained breathing apparatus		

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Spills should be collected for disposal; eliminate all ignition sources. Prevent material from entering drains, sewers and waterways. Spills may be slippery. Before drying product may be washed away with water; after drying, remove with a paint scraper or strong solvent.

SECTION 7 — HANDLING AND STORAGE

Thoroughly cleanse hands after handling. Launder contaminated clothing before reuse.
Protect from freezing.
Do not use empty containers for potables or edibles.
Store indoors at temperatures of 40°F to 90°F. Do not store at elevated temperatures, as containers could pressurize and rupture
Spills may be slippery.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure limits: Not available

In restricted ventilation areas, use approved chemical respirator, avoid inhalation of airborne particulates by using an approved respirator. General (mechanical) room ventilation is expected to be satisfactory. Supplementary local exhaust and respiratory protection may be needed in poorly ventilated spaces, or evaporation from large surfaces when spraying.

Personal Protection: Impervious gloves, goggles, face shield or other eyewear to protect from splash.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Paste consistency	Odor : Mild latex odor	Wt/Gal: 10.5 lbs.
Specific Gravity: 1.26	Vapor Density (air = 1): Lighter than air	Viscosity: Approx. 160,000 – 170,000 cps
Evaporation Rate: Slower than ether	Boiling Point : 212°F to 216°F	Freezing Point : 32°F (0°C)

pH 8.0 to 9.0

VOC (lbs/gal): 0 gm/L; 0.0 lbs/gal (less water)

Volatile Volume: 50%

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SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability: Stable

Avoid materials that are incompatible with water and oxidizers.

Thermal decomposition will yield CO, CO₂, HPO_x, HCL and fragmented short-chain hydrocarbons.

SECTION 11 — TOXICOLOGICAL INFORMATION

Not available

SECTION 12 — ECOLOGICAL INFORMATION

Not available

SECTION 13 — DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable regulations. Review hazard section of this sheet before attempting cleanup. Spills may be slippery. Before drying, product may be washed away with water; after drying remove with a paint scraper or strong solvent. Empty containers are non hazardous under RCRA as industrial waste.

SECTION 14 — TRANSPORT INFORMATION

Not regulated.

SECTION 15 — REGULATORY INFORMATION

None

SECTION 16 — OTHER INFORMATION

For industry/professional use only. Not intended for retail sale or use by individual consumers.

HMIS Hazard Rating

Health: 1 Flammability: 0 Physical Hazard: 0

NFPA

Health: 1 Flammability: 0 Reactivity: 0