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## ARISTONATE® VH-2

PRODUCT DATA SHEET

### PRODUCT DESCRIPTION

Aristonate® VH-2 is a high molecular weight, oil soluble, water miscible sodium alkyl aryl sulfonate. Aristonate® VH-2 is a sodium petroleum sulfonate of manageable viscosity, which finds use in a wide variety of industrial lubricant applications where excellent corrosion protection, dispersion, emulsification and lubricity are required.

### CHEMICAL NAME

Proprietary Sodium Alkyl Aryl Sulfonate (Synthetically Derived Petroleum Sulfonate)

### TYPICAL PROPERTIES

Appearance @ 25°C	Viscous brown liquid
Odor	Slight
Active (Wt. %)	60.0 min
Sodium Sulfate (Wt. %)	0.4
Water (Wt. %)	2.5
% Volatile by Volume:	5.0
Molecular Weight	490
Density (lbs/gal)	8.2
pH (10% solution)	9.5
Solubility in Water	Negligible

### APPLICATIONS

#### Emulsification and Corrosion Inhibition

Aristonate® VH-2 provides excellent emulsification and corrosion inhibition properties in industrial lubricant formulations. Aristonate® VH-2 also imparts extraordinary corrosion protection to metal parts exposed to water, such as high water based coolants, high water based hydraulic fluids, drawing compounds and cutting oils.

#### Soluble Oils

Aristonate® VH-2 is the corrosion inhibitor of choice for high water based cutting fluids and simple soluble oils for the metalworking industry. Aristonate® VH-2 imparts maximum corrosion protection to metal parts through machining while maintaining excellent cooling and lubrication properties. Aristonate® VH-2 also provides maximum part adhesion during machining permitting maximum shelf storage life.

### PERFORMANCE

Aristonate® VH-2 is unmatched for consistency in both appearance and performance, reducing the need for emulsifier package adjustments due to quality variations.

### ADVANTAGES

Aristonate® VH-2 is compatible with a wide range of solvents, emulsifiers, coupling agents, bactericides, antioxidants and corrosion inhibitors.

### STORAGE & HANDLING

Normal safety precautions (i.e. gloves and safety goggles) should be employed when handling. Avoid eye and prolonged skin contact. Wash thoroughly after handling material. Material should be warmed to 100 - 120°F before using. Do not store drums near open flames or strong oxidants. Containers should be stored at temperatures above 50° F, avoid excessive heat. Heated and agitated iron or steel tanks should be used for bulk storage. Please refer to the MSDS before handling Aristonate® VH-2.

### PACKAGING

Aristonate® VH-2 is available in 55-gallon open head steel drums (net weight 440 lb/200 kg); bulk quantities are available by tank car or tank truck.

**See starting formulas and additional product information, at [www.pilotchemical.com](http://www.pilotchemical.com)**

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