

# VCI-637

## PRODUCT DESCRIPTION

VCI-637 provides effective internal corrosion control in gas flow and gas transmission lines. VCI-637 is a combination of vapor phase, neutralizing and film-forming corrosion inhibitors to combat the broadest range of corrosive attack from moisture and condensation, oxygen, carbon dioxide, hydrogen sulfide and other corrosive contaminants in natural gas. Its non-emulsifying formulation offers the benefits of filming inhibitors that form a tenacious protective film on metal surfaces, neutralizing inhibitors that combat corrosive fluid formation and vapor phase inhibitors that reach areas inaccessible by direct contact to protect areas subject to varying flow ratios.

The unique chemistry of VCI-637 allows this product to provide excellent protection in "sweet/sour" saturated carbon dioxide/hydrogen sulfide environments.

According to results obtained using the Wheel Test (NACE test method publication ID182), VCI-637 provides excellent protection in both continuous and intermittent treatments, due to exceptional film persistency.

## FEATURES

- Effective for a wide range of systems and corrosive conditions
- Provides maximum control over long distances for highly corrosive systems having a high ratio of water-to-hydrocarbon, including low areas in systems where water collects and extreme corrosive attack occurs
- Forms an adsorbed, protective layer that protects ferrous and non-ferrous metals

- Effective against water, corrosive gases and halogens
- Vapor phase action provides protection from atmospheric conditions and moisture condensation to areas not accessible by filming inhibitors
- At recommended concentrations does not cause foaming or upsets in gas sweetening or glycol dehydration processes
- Does not contain heavy metals, chlorinated hydrocarbons or volatile amines
- Economical to use

## TYPICAL APPLICATIONS

VCI-637 is designed for use in gas transmission and gathering lines.

## METHOD OF APPLICATION

VCI-637 is best applied by continuous injection or atomization into the transmission line at a rate of 300 ml (10 fl. oz.) of product per million cubic feet of gas. Atomization of the product neat into the gas stream enhances dispersion and length of travel. The effective distance expected through atomization varies with gas volumes and degree of dryness (quantity of water condensed inside pipeline), however the distance will usually range between 20 and 40 miles (32 to 64 kilometers).

## TYPICAL PROPERTIES

Appearance	Clear dark green/brown liquid
Non-volatile Content	27-32%
pH	9.5-10.5 (Neat)
Density	7.8-7.9 lb/gal (0.93-0.94 kg/l)

## STORAGE/PACKAGING

VCI-637 is available in 5 gallon (19 liter) containers, 55 gallon (208 liter) metal drums, liquid totes and bulk. Product should be stored in tightly closed containers in heated warehouse to avoid freezing.

## FOR INDUSTRIAL USE ONLY

**KEEP OUT OF REACH OF CHILDREN**

**KEEP CONTAINER TIGHTLY CLOSED**

**NOT FOR INTERNAL CONSUMPTION**

**CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION**

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