



VpCI® FORMULATED PRODUCTS FOR PROCESS INDUSTRIES

# Corrosorber® Liquid Hydrogen Sulfide Scavenger



## PRODUCT DESCRIPTION

Corrosorber Liquid is a concentrated solution of nitrogen based heterocyclic compound. It is formaldehyde free and can be used to scavenge hydrogen sulfide (H<sub>2</sub>S), mercaptans, sulfides, and sulfur compounds from gas systems or liquid hydrocarbons. Corrosorber liquid is an extremely fast reacting product allowing for lower levels of treated H<sub>2</sub>S where contact time is restricted. Faster reaction kinetics allow for lower usage of treating chemical.

## APPLICATION

Hydrogen Sulfide is a poisonous gas that is deadly at high concentrations and provides serious health threats at moderate concentrations. Operating problems caused by H<sub>2</sub>S can include severe corrosion and fouling, and injection well plugging with iron sulfides.

Corrosorber Liquid is installed in batch reaction towers or it is injected continuously into gas gathering lines, transmission lines, vapor overheads, or liquid product systems of pipelines. It can be applied in either flowline or bubble tower applications. Typically the bubble tower should be filled to approximately 50% full to prevent the product from being carried downline.

Corrosorber Liquid can be diluted with water or methanol for ease of application. Spent solutions of Corrosorber Liquid are considered water dispersible polymers and can be injected continuously into water gathering lines, water tanks, holding pits, vapor overheads, or injected down disposal wells.

## FEATURES

- Fast, effective sulfide removal
- Produces water-soluble polymer solutions
- Can be used in gas, crude oil, or water
- Formaldehyde free
- Not adversely affected by the presence of carbon dioxide

## METHOD OF APPLICATION

The amount of Corrosorber Liquid required depends upon the level of H<sub>2</sub>S in the system and the degree of reduction desired. As a general rule, each gallon of Corrosorber Liquid will scavenge approximately 3.3 pounds of H<sub>2</sub>S per MMSCF. Typical field blend uses 30% Corrosorber Liquid with 0-15% methanol in water. Additional methanol can be added to the product to meet specification application needs. This is particularly advantageous in wet gas systems where freezing is a problem.

## TYPICAL PROPERTIES

Appearance	Clear yellow liquid
pH	10-12 (neat)
Density	9.3-9.7 lb/gal (1.11-1.16 kg/l)
Pour Point	-20°F (-28°C)
Solubility	
Fresh Water	Soluble
High TDS Brine	Soluble
Isopropanol	Soluble
Xylene	Insoluble

## PACKAGING AND STORAGE

Corrosorber Liquid is available in 5 gallon (19 liter) pails and 55 gallon (208 liter) drums.

Do not store above 120°F (49°C). Keep container closed and upright.



**FOR INDUSTRIAL USE ONLY**  
**KEEP OUT OF REACH OF CHILDREN**  
**KEEP CONTAINER TIGHTLY SEALED**  
**NOT FOR INTERNAL CONSUMPTION**  
**CONSULT MATERIAL SAFETY DATA SHEET FOR**  
**MORE INFORMATION**

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