

## PRODUCT DATA SHEET

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### **SO-CHEM ALPHA 8640 H<sub>2</sub>S SCAVENGER**

#### **GENERAL DESCRIPTION**

**SO-CHEM ALPHA 8640 H<sub>2</sub>S SCAVENGER** is a patented 60-65% active aqueous amine resin solution containing surfactants designed as a hydrogen sulfide scavenger for gas systems. **ALPHA 8640** can also be used as an additive to corrosion inhibitors and surfactants to enhance control of microorganisms.

#### **APPLICATION**

Hydrogen Sulfide is a poisonous gas that is deadly at high concentrations (> 25ppm) 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.

**ALPHA 8640** can be injected continuously into gas gathering lines, transmission lines, vapor overheads, water gathering lines, water tanks, or holding pits. It can be diluted with methanol, glycols, or water for application purposes. **ALPHA 8640** solutions are water-soluble, functioning as a surfactant and corrosion inhibitor, and normally injected into water disposal systems.

**ALPHA 8640** can also be used as a replacement for amine sweetening solutions in a batch treatment.

So-Chem chemical personnel can advise on treatment and application volumes.

#### **Advantages:**

- Fast, effective sulfide removal
- Produces water-soluble solutions
- Enhances control of microorganisms
- Used in gas and water applications
- Performs in a variety of line applications

**SOUTHERN CHEMICALS LIMITED**

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**RECOMMENDED USE**

The amount of **ALPHA 8640** required depends upon the level of H<sub>2</sub>S in the system and the degree of reduction desired.

In gas systems, the scavenging rate of **ALPHA 8640** is 1.0 to 1.5 ppm per ppm H<sub>2</sub>S. The normal concentration is 0.015 to 0.018 gallons per MMSCF of gas per ppm of H<sub>2</sub>S.

**PHYSICAL AND CHEMICAL PROPERTIES:**

Appearance.....	- Pale Yellow with methanolic odor
Activity: .....	- 60-65%
Specific Gravity @ 77°F:.....	- 0.9864
Density @ 25°C: .....	- 8.2269
PH (neat): .....	- 3.94
Flash Point: .....	- 68°C
Pour Point: .....	- -16.7°C
Water Solubility:.....	- Completely miscible
Xylene: .....	- Dispersible
Isopropanol: .....	- Soluble
Kerosene: .....	- Insoluble

**HANDLING:**

Normal precautions for handling industrial chemicals should be observed. Please refer to Safety Data Sheet for detailed information.

**AVAILABILITY:**

**SO-CHEM ALPHA 8640 H<sub>2</sub>S SCAVENGER** is available from Southern Chemicals Limited, # 2 Tarran Industrial Estate, La Romain, San Fernando in bulk deliveries (tote tanks) or 55 gal. drums.

**REVIEW:**

This Product Data Sheet shall be reviewed as necessary.

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